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160423

From:

Hamud, Fozia

Sent:

Monday, July 25, 2005 5:44 PM

To:

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Subject:

sequence search for 09/598,443

Please search SEQ ID NOs:1 and 2 of 09/598,443 against commercial and interference data bases. thanks

Fozia Hamud
Patent Examiner
Remsen 4D64
Mail Box: Remsen 4C70
(571) 272-0884
Art Unit 1647

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Searcher:
Searcher Phone: 2Date Searcher Picked up:
Date Completed:

Searcher Prep/Rev. Time:
Online Time:

Type	of Search
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Interference	
S/L:	Oligomer:
Encode/Tran	nsl:
Structure#:	Text:
Inventor:	Litigation:

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Copyright (c) 1993 - 2005 Compugen Ltd.
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AL929153 Mouse DNA	AC113315 Mus muscu	AL840624 Mouse DNA	AL929026 Mouse DNA	AF429315 Homo sapi	AC116700 Mus muscu	AC114679 Mus muscu	AX552966 Sequence	AX524228 Sequence	AC117629 Mus muscu	G38549 SHGC-64262	AC122619 Rattus no	AC134080 Rattus no	AC108908 Mus muscu	AC109272 Mus muscu	AC135992 Homo sapi	AC135992 Homo sapi	AX408731 Sequence	AP006286 Homo sapi	AC138230 Homo sapi	AP006286 Homo sapi	AC142165 Homo sapi	AC137894 Homo sapi	BD029770 Sequence	AX894237 Sequence	AX400401 Sequence

ALIGNMENTS

REFERENCE AUTHORS TITLE JOURNAL RESULT 1 BD103586 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM ORIGIN FEATURES COMMENT Query Match 100 Best Local Similarity 100 Matches 1233; Conservative source OS HOMO PN JP 20 PN JP 25-DE PP 23-DE PP 23-DE PR 23-DE PI JOHN PC C12N110, C12N5/10, PC C12N5/1 Sims, J.E. SIGIRR DNA and polypeptide Patent: JP 2001526892-A 1 25-DEC-2001; Eukaryota; Metazoa; Chordata; Mammalia; Eutheria; Primates; 1 (bases 1 to 1233) Homo sapiens (human) 1233 SIGIRR DNA and polypeptide. BD103586 BD103586.1 GI:22649160 JP 2001526892-A/1. IMMUNEX CORP C12P21/02, C12P21/08, C12Q1/37, G01N27/26, G01N27/447, C12N15/00, C12N5/00, G01N27/26 Homo sapiens (human) JP 2001526892-A/1 25-DEC-2001 23-DEC-1998 JP 2000525545 23-DEC-1997 US 60/068770 JOHN ERNEST SIMS C12N15/09,C07K14/715,C07K16/28,C12N1/15,C12N1/19,C12N1/21, SIGIRR DNA and polypeptide Key Location/Q /organism='Homo sapiens (human)'. /organism="Homo sapiens" /mol_type="genomic DNA" /db_xref="taxon:9606" 100.0%; S 100.0%; P ative 0; Location/Qualifiers 1. .1233 Score 1233; Pred. No. 3 ďď Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo. ; DB 6; 3.4e-182; es 0; DNA Length 1233; linear PAT 27-AUG-2002

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Klausner, R.D., Colline, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,

Altschul, S.F., Zeeberg, B., Buctow, K.H., Schaefer, C.F., Bhat, N.K.,

Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,

Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,

Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,

Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,

Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,

Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J.,

McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,

Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,

Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A.,

Yahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S.,

Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,

Bouffard, G.G., Blakesley, R.W., Touchman, J.W., Green, E.D.,

Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M.,

Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.

Generation and initial analysis of more than 15,000 full-length

human and mouse cDNA sequences

Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        1081
Steven Jones, Jennifer Asano, Ian Bosdet, Yaron Butterfield, Susanna Chan, Readman Chiu, Chris Fjell, Erin Garland, Ran Guin, Letticia Hesiao, Martin Krzywinski, Reta Kutsche, Oliver Lee, Soo sen Lee, Victor Ling, Carrie Mathewson, Candice McLeavy, Steven Ness, Pawan Pandoh, Anna-Liisa Prabhu, Parvanah Saeedi, Jacqueline Schein, Duane Smailus, Michael Smith, Lorraine Spence, Jeff Stott, Michael Thorne, Miranada Tsai, Natasja van den Bosch, Jill Vardy, George Yang, Scott Zuyderduyn, Marco Marra.
                                                                                                                                                                                                                                            DNA Sequencing by: Genome Se
BC Cancer Agency, Vancouver,
info@bcgsc.bc.ca
                                                                                                                                                                                                                                                                                                        cDNA Library Preparation: Rubin Laboratory cDNA Library Arrayed by: The I.M.A.G.E. Consortium DNA Sequencing by: Genome Sequence Centre,
                                                                                                                                                                                                                                                                                                                                                                                                  NIH-MGC Project URL; http://mgc.nci.nih.
Contact: MGC help desk
Email: cgapbs-r@mail.nih.gov
Tissue procurement: DCTD/DTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Submitted (18-MAR-2002) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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Homo sapiens single Ig IL-IR-related molecule,
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This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 11141876.
   AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC
                                                                                                                                                                                              CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTGTCC
                                                                                                                                                                                                                                                                CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC
                                                                                                                                                                                                                                                                                                                                    AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGGCCC
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                                     CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT
                                                           CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT
                                                                                                                                        AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC
                                                                                                                                                                             CACTACAGCCI
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ISFSSFTLQRAGPTSHVAAVLASLLVLLALLLAALLYVKCRLNVLLWYQDAYGEVEIN
DGKLYDAYVSYSDCPEDRKFVNRFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNL
SRCRRLIVVLSDAFLSRAWGSUSFREGLCRLLELTRRIFETFETGGQRRDDAFPALRLL
RQHRHLVTLLLWRPGSVTPSSDFWKEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLIL
RQHRHLVTLLLWRPGSVTPSSDFWKEVQLALPRKVRYRPVEGDPGTQLQDDKDPMLIL
RGRVPEGRALDSEVDDPPEGDLGVRGFVFGEPSAPPHTSGVSLGESRSSEVDVSDLGS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /gene="SIGIRR"
/db_xref="MIM:6
/db_xref="MIM:6
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        /gene="SIGIRR"
/note="TIR; Region: TIR domain. The TIR domain is an intracellular signaling domain found in MyD88, interleukin 1 receptor and the Toll receptor. Called TIR (by SMART?) for Toll - Interleukin - Resistance"
/db_xref="CDD:pfam01582"
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684. .1109
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/codon_start=1
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/mol_type="mRNA"
/db_xref="taxon:9606"
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_xref="MIM:605478"
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Pred. No. 3.2e-182;
; Mismatches 0;
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                                                                                             Homo sapiens single Ig IL-IR-related molecule, MGC:4338 IMAGE:2821373), complete cds.
BC003591
BC003591.1 GI:13097794
Eukaryota; Metazoa;
Mammalia; Eutheria;
1 (bases 1 to 1627)
                                                     Homo
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                                                                    sapiens (human)
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                 Chordata;
Primates;
                   Craniata; Vertebrata; Euteleostomi; Catarrhini; Hominidae; Homo.
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ule, mRNA
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(CDNA clone
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1085 900 965 780 905 720 845 660 785 600 725 540 665 480

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PUBMED
REFERENCE
AUTHORS
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COMMENT
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Klausner, R.D., Collins, F.S., Wagner, L., Shenmen, C.M., Schuler, G.D.,
Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K.,
Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F.,
Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L.,
Stapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L.,
Scheetz, T.E., Brownstein, M.J., Usdin, T.B., Toshiyuki, S.,
Carninci, P., Prange, C., Raha, S.S., Loquellano, N.A., Peters, G.J.,
Abramson, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J.,
McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S.,
Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W.,
Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A.,
Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S.,
Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y.,
Bouffard, G.G., Blakeeley, R.W., Touchman, J.W., Green, B.D.,
Dickson, M.C., Rodriguez, A.C., Grimwood, J., Schmutz, J., Myers, R.M.,
Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E.,
Schnerch, A., Schein, J.E., Jones, S.J. and Marra, M.A.
Generation and initial analysis of more than 15,000 full-length
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLML at: http://image.llnl.gov Series: IRAL Plate: 9 Row: n Column: 5 This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 11141876.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: DCTD/DTP
cDNA Library Preparation: Rubin Laboratory
cDNA Library Arrayed by: The I.M.A.G.E. Cor
DNA Sequencing by: Genome Sequence Centre,
BC Cancer Agency, Vancouver, BC, Canada
info@bcgsc.bc.ca
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Direct Submission

Office, National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Steve Jones, Sarah Barber, Mabel Brown-John, Yaron Butterfield, Andy Chan, Steve S. Chand, William Chow, Alison Cloutier, Ruth Andy Chan, Steve S. Chand, William Chow, Alison Cloutier, Ruth Featherstone, Malachi Griffith, Obi Griffith, Ran Guin, Nancy Liao, Kim MacDonald, Amara Masson, Mike R. Mayo, Josh Moran, Ryan Morin, Teika Olson, Diana Palmquist, Anca Petrescu, Anna Lisa Prahbu, Parvaneh Saseedi, JR Santos, Angelique Schnerch, Ursula Skalska, Parvaneh Saseedi, JR Santos, Angelique Schnerch, Ursula Skalska, Duane Smailus, Jeff Stott, Miranda Tsai, George Yang, Jacquie
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      USA
NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
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Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Asim Siddiqui, Rob Holt, Marco Marra.
                                                                                                                                          /gene="SIGIRR"
/db_xref="Locus:
/db_xref="MIM:6!
157. .1389
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/mol_type="mRNA"
/db_xref="taxon:9606"
                                                                                                                    gene="SIGIRR"
                                                                                                                                                                                                                                                                                  /tissue type="Lung, small cell carcinoma"
/clone_Tib="NIH_MGC_7"
/lab_host="DH10B-R"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Location/Qualifiers
                                                                                                                                                                                                                                                            note="Vector:
                                                                                                                                                                                                                                                                                                                                                        clone="MGC:4338 IMAGE:2821373"
                                                                                                                                                                _xref="MIM:605478"
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RNYSARTDFYCLVSKDDM"
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Query Match Best Local Similarity 1 ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAAGACCAGGTGCTG TTCGAGGGCCAGAGGCCCGACCCCGCCCTCCTGCTGCTGCCACCCGC AGCTTCCGGGAGGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCACC TGCCGACGCCTCATCGTGGTGCTTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCCAC TGCCGACGCCTCATCGTGGTGCTTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCCAC GACCGCGACCTCCTGCCGCGCGCGCTGAGCCCTCCCGCCGACCTCTTGGTGAACCTGAGCCGC GACCGCGACCTCCTGCCGCGCGCTGAGCCCTCCGCCGACCTCTTGGTGAACCTGAGCCGC GTGAACTTCATCCTAAAGCCGCAGCTGGAGCGGCGTCGGGGCTACAAGCTCTTCCTGGAC GTGAACTTCATCCTAAAGCCGCAGCTGGAGCGGGGCGTCGGGGGCTACAAGCTCTTCCTGGAC GACGGGAAGCTCTACGACGCCTACGTCTCCTACAGCGACTGCCCCGAGGACCGCAAGTTC GACGGGAAGCTCTACGACGCCTACGTCTCCTACAGCGACTGCCCCGAGGACCGCAAGTTC AAGTGCCGTCTCAACGTGCTGCTCTGGTACCAGGACGCGTATGGGGAAGGTGGAGATAAAC CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT CAGAACATCAGCTTCTCCTTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC AGTGTCCTGGGGGTCAACGTGAACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC AGCTTCCGGGAGGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCACC AAGTGCCGTCTCAACGTGCTGCTCTGGTACCAGGACGCGTATGGGGAGGTGGAGATAAAC Conservative 100.0%; Score 1233; DB 9; Pred. No. 3.2e-182; Mismatches 0, Length Indels 0 Gaps 396 180 60 840 936 780 876 918 660 600 696 540 636 480 576 420 516 360 456 300 336 276 120 216 720 756

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TITLE
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VERSION
KEYWORDS
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                                                                                                                                                                                                                                                      Submitted (22-APR-2004) Sumio Sugano, Institute of Medical Science, University of Tokyo, Laboratory of Genome Structure, Human Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639, Japan (B-mail:flcdha@mail.ims.u-tokyo.ac.jp, Tel:81-3-5449-5286, Pax:81-3-5449-5416)
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AK172830.1 GI:47077852
oligo capping; fis (full insert
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Sugano, S. and Suzuki, Y.
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Ota, T., Suzuki, Y., Obayashi, M., Nishi, T.,
Nakamura, Y., Isogai, T. and Sugano, S.
NEDO human cDNA sequencing project
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Mammalia; Eutheria; Primates;
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1657 bp mRNA linear PRI 07-MAY-2004 Homo sapiens cDNA FLJ23991 fis, clone HRC08504, highly similar to Homo sapiens single Ig IL-1R-related molecule (SIGIRR).
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Length

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Sugano, S., Suzuki, Y., Ot
Shibahara, T., Tanaka, T.
Direct Submission
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Genome Center; Shirokane-dai, 4-6-1, Minato-ku, Tokyo 108-8639,
Japan (E-mail:flcdna@ims.u-tokyo.ac.jp, Tel:81-3-5449-5286,
Fax:81-3-5449-5416)
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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T. and Nakamura,Y.
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/translation="MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSL PSVQWLKDGLPLGIGGHYSLHEYSWVKANLSEVLVSSVLGVNTSTEVYGAFTCSIQN ISFSSFTLQRAGPTSHVAAVLASLLVLLALLLAALLYVKCRLNVLLWYQDAVGBVEIN DGKLYDAYVSYSDCPEDRKFVNFILKPOLERRRGYKLFLDDRDLLPRAEPSADLLVNL SCCRLLIVVLSDAFLSRAWCSHSFREGLCRLLELTRRFIFIFEGQRRDPAHPALRLL RQRRHLVTLLLMRPGSVTPSSDFWKEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLIL RGRYPEGRALDSSVDPDPGDLGVRGPVFGEPSAPPHTSGVSLGESRSSEVDVSDLGS RNYSARTDFYCLVSKDDM"

GACGGGAAGCTCTACGACGCCTACGTCTCCTACAGCGACTGCCCCCGAGGACCGCAAGTTC CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCCATTGGGAATTGGGGGC ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAAGACCAGGTGCTG TTCGAGGGCCAGAGGCGCGACCCCGCGCACCCGGCGCCTGCTGCCGCCAGCACCGC TTCGAGGGCCAGAGGCGCGACCCCGGCGCACCCGGCGCTCCGCCTGCTGCGCCAGCACCGC AGCTTCCGGGAGGGCCTGTGCCGGCTGGTGGAGCTCACCCGCAGACCCATCTTCATCACC TGCCGACGCCTCATCGTGGTGCTTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCCAC GACCGCGACCTCCTGCCGCGCGCTGAGCCCTCCGCCGACCTCTTGGTGAACCTGAGCCGC GACCGCGACCTCCTGCCGCGCGCTGAGCCCTCCGCCGACCTCTTGGTGAACCTGAGCCGC GTGAACTTCATCCTAAAGCCGCAGCTGGAGCGGCGTCGGGGCTACAAGCTCTTCCTGGAC GACGGGAAGCTCTACGACGCCTACGTCTCCTACAGCGACTGCCCCGAGGACCGCAAGTTC AAGTGCCGTCTCAACGTGCTGCTCTGGTACCAGGACGCGTATGGGGAGGTGGAGATAAAC CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT CAGAACATCAGCTTCTCCCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGGCCTTCACCTGCTCCATC CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGGCCC ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAAGACCAGGTGCTG AGCTTCCGGGAGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCACC Conservative GGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC 100.0%; 0; Score 1233; DB 9; Pred. No. 3.1e-182; ; Mismatches 0; Indels Length 0 1066 1006 480 286 60 900 946 986 660 826 600 540 706 646 420 586 360 526 300 466 240 406 180 120 780 720 766 0

Query Match 99.9%; Score 1231.4; DB 6; Length 1659; Best Local Similarity 99.9%; Pred. No. 5.6e-182; Matches 1232; Conservative 0; Mismatches 1; Indels 0; Gaps 0; Oy 1 ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAGAGACCAGGTGCTG 60	/codon_start=1 /proteIn_id="CAC2520.1" /proteIn_id="CAC2520.1" /db_xref="GI:12310953" /translation="MpGVCDRAPDPLSPSBDQVLRPALGSSVALNCTAWVVSGPHCSL /translation="MpGVCDRAPDPLSPSBDQVLRPALGSSVALNCTAWVVSGPHCSL /translation="MpGVCDRAPDPLSPSSVLGVWVTSTSTEVYGAFTCSION PSVGWLKDGLPLGIGGHYSLHEYSWVKANLSSVLVSVCGVWVTSTSTEVYGAFTCSION ISFSSFTLGRAGFTSHVANVLASLLLYLLALLLAALLYVKCRLAVLLAUDAVLAVLSVL PGKLYDAYVSYSDCPEDRKEVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNL SCCRRLIVVLSDAFLSRAWCSHSFRGGLCRLLELTRRPIFITFEGGRRDPAHPALRLL RQHRHLVTLLLMRPGSVTPSSDFWKEVQLALPKKYRYRPVEGDPGTQTQDDKDPWLIL RQHRHLVTLLLMRPGSVTPSSDFWKEVQLALPKKYRYRPVEGDPGTGDCDKDPWLIL RGRVPEGRALDSEVDPDPEGDLGVRGPVFGEPSAPPHTSGVSLGESRSSEVDVSDLGS RNYSARTDFYCLVSKDDM"	Õ	SOURCE Homo sapiens (human) ORGANISM Homo sapiens (buman) Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutheria; Primates; Catarrhini; Hominidae; Homo. REFERENCE 1 AUTHORS Shimkets,R.A., Fernandes,E., Herrman,J. and Vernet,C. Shimkets,R.A., Fernandes,E., Herrman,J. and Vernet,C. TITLE Polynucleotides and membrane-bound polypeptides encoded thereby JOURNAL Patent: WO 0075321-A 17 14-DEC-2000;	RESULT 6 AX058610 AX058610 LOCUS AX058610 DEFINITION Sequence 17 from Patent WO0075321. ACCESSION AX058610 VERSION AX058610.1 GI:12310952 KEYWORDS .	Qy 1201 TTCTACTGCCTGGTGTCCAAGGATGATATGTAG 1233	QY 1141 CGGAGCAGCGAAGTGGACGTCTCGGATCTCGGCTCGCGAAACTACAGTGCCCGCACAGAC 1200	QY 1081 CCTGTTTTTGGAGAGCCATCAGCTCCACCGCACACCAGTGGGGTCTCGCTGGGAGAGAGC 1140	Qy 1021 GGCCGGGCCCTGGACTCAGAGGTGGACCCCGGACCCTGAGGGCGACCTGGGTGTCCGGGGG 1080	Qy 961 CAGACGCAGCTGCAGGACCACAAGGACCCCATGCTGATTCTTCGAGGCCGAGTCCCTGAG 1020	Oy 901 AAAGAAGTGCAGCTGGCGCTGCCGCGGAAGGTGCGGTACAGGCCGGTGGAAGGAGACCCC 960
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1021 GGCCGGGCCCTGGACTCAGAGGTGGACCCGGACCCTGAGGCGACCTGGGTGTCCGGGGG 1080	841 CACCTGGTGACCTTGCTGCAGGCCCGGCTCCGTGACTCCTTCCT	721 AGCTTCCGGGAGGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCACC 780	601 GACCGCGACCTCCTGCCGGCGGCTGAGCCCTCCGGCGGACCTCTTGGTGAACCTGAGCCGC 660	481 GACGGGAAGCTCTACGACGCCTACGTCTCCTACAGCGACTGCCCCGAGGACCGCAAGTTC 540	421 AAGTGCCGTCTCAACGTGCTGCTGCTGCTACCAGGACGCGTATGGGGAGGTGGAGATAAAC 480	361 GCGGTGCTGGCCTCCTGGTCCTGGTCGTGCTGGTCGCTGGCCCGCCCTGCTCTATGTC 420	301 CAGAACATCAGCTTCTCCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT 360	241 AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC 300	181 CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC 240	121 CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC 180

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JOURNAL
REFERENCE
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TITLE
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AUTHORS
TITLE
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VERSION
KEYWORDS
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CR457338
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                                                                                CDS
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                                                                                                                                                                                                                                                                            polypeptide.

The stop codon has been set to TAA followed by
TTAACCCACCTTTCTT. .att. Compared to the reference sequence NM_021805
we found amino acid exchange(s) at position (first base of changed
triplet): 1228(met->ile)
Clone distribution: http://www.rzpd.de/products/orfclones/.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                 contact RZPD (customer service@rzpd.de) for further information. This CDS clone is a part of a collection of human full length expression clones generated by RZPD.

This CDS has been cloned incl. stopcodon.

The CDS has been inserted into pDONRZO1 via a BP Clonase(TM)

Teaction. Additional sequence has been added in front of the start codon: att. AAAAAA GCA GGC (ATG).

The last base of the last coding triplett has been changed to T, which might lead to an amino acid change at the C terminus of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Direct Submission
Submitted (03-JUN-2004) RZPD Deutsches Ressourcenzentrum fuer
Submitted (03-JUN-2004) RZPD Deutsches Ressourcenzentrum fuer
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RZPD Deutsches Ressourcenzentrum fuer Genomforschung GmbH, Heubnerweg 6, D-14059 Berlin, Germany Tel: +49 30 32639 100 Fax: +49 30 32639 111 www.rzpd.de This clone is available from RZPD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                RZPD; RZPDo834H0613D, ORFNO 2417
www.rzpd.de/cgi-bin/products/c1.cgi?CloneID=RZPDo834H0613D RZPDLIB;
Human Full ORF Clones Gateway(TM) - RZPD (kan-resist.) RZPD LIB NO.
834
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Ebert, L.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          www.rzpd.de/cgi-bin/products/showLib.pl.cgi/response?libNo=834
www.rzpd.de/products/orfclones/
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Unpublished
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    entry vector (pDONR201)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Ebert,L., Schick,M., Neubert,P., Schatten,R., Henze,S. and Korn,B. Cloning of human full open reading frames in Gateway(TM) system
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             CR457338.1 GI:48146792 Full ORF shuttle clone, Gateway(TM), complete
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/gene="SIGIRR"
/codon_start=1
/protein_id="CAG33619.1"
/db_xref="GI:48146793"
                                                                                                                                                          /db_xréf="taxon:9606"
/clone="RzPD834H0613D"
/clone_11b="Human Full ORF Clones Gateway(TM) -
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Schick, M., Neubert, P.,
                                                                                                                                                                                                                                         organism="Homo sapiens"
|mol_type="mRNA"
                                                                                                 gene="SIGIRR"
                                                                                                                                        note="Vector:
                                                                                                                                      pDONR201, Site_1: attP1; Site_2: attP2"
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  841 CACCTGGTGACCTTGCTGCTGGAGGCCCGGCTCCGTGACTCCTTCCCCGATTTTTGG 900
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/translation="MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSL SSVQMLKDGLPLGIGGHYSLHEYSWVKANLSBVLVSSVLGVNVTSTEVGAFTCSIQN ISFSSFTLQRAGFTSHVAAVLASLLVLLALLLAALLYVKCRLNVLLWYDDAYGBVEIION DGKLYDAYVSYSDCPEDRKFVNFILKFQLERRIGYKLFLDDRDLLPRABPSADLLVNL SRCRRLIVVLSDAFLSRAWGSHSFREGLCRLLELTRRPIFIFEGQRRDPAHFALRLL RQHRHLVTLLLMRPGSVTPSSDFWKEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLIL RGRVPEGRALDSSUDDPDEGDLGVRGPVFGEPSAPPHTSGVSLGESRSSEVDVSDLGS RNYSARTDFYCLVSKDDI"

Query Matches	Query Match 99.8%; Score 1230.4; DB 9; Length 1233; Best Local Similarity 99.9%; Pred. No. 8.6e-182; Matches 1231; Conservative 0; Mismatches 1; Indels 0; Gaps 0;	
\$ 8	1 ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCCCCCGTCTGAAGACCAGGTGCTG 60	
5	1 ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAAGACCAGGTGCTG 60	
유 성	61 AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC 120	
δ.	121 CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC 180	
皮	121 CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC 180	
8	181 CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC 240	
Вb	181 CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC 240	
γO	241 AGTGTCCTGGGGGTCAACGTGAACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC 300	
Вb	241 AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC 300	
γQ	301 CAGAACATCAGCTTCTCCTTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT 360	
Ф	301 CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGAGCTGGCCCTACAAGCCACGTGGCT 360	
γŞ	361 GCGGTGCTGGCCCCCCCCCTGCTGGCTGCCTGCCTGCCCGCCCCTGCCTGCTCTATGTC 420	
Db	361 GCGGTGCTGCCTCCTTGCTGCTGCTGCTGCTGCTGCTGCT	
Ş	421 AAGTGCCGTCTCAACGTGCTGCTCGGTACCAGGACGCGTATGGGGAGGTGGAGATAAAC 480	
מם	421 AAGTGCCGTCTCAACGTGCTCTGGTACCAGGACGCGTATGGGGAGGTGGAGATAAAC 480	
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Mammalia; Eutheria; P
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 47 from Patent AX201368 AX201368.1 GI:15391178
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1649 bp Homo sapiens clone DNA38649 SIGIRR AY358342 AY358342.1 GI:37181808 FLI CDNA.

(UNQ301)

linear mRNA,

complete PRI

03-OCT-2003

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1649)

Clark, H.F., Gurney, A.L., Abaya, E., Baker, K., Baldwin, D., Brush, J., Chen, J., Chow, B., Chui, C., Crowley, C., Currell, B., Deuel, B., Dowd, P., Eaton, D., Poster, J., Grimaldi, C., Gu, Q., Hass, P.E., Heldens, S., Huang, A., Kim, H.S., Klimowski, L., Jin, Y., Johnson, S., Lee, J., Lewis, L., Liao, D., Mark, M., Robbie, E., Sanchez, C., Schoenfeld, J., Seshagiri, S., Simmons, L., Singh, J., Smith, V., Brush,J., l,B., l.E.,

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Submitted (01-AUG-2003) Department of Bioinformatics,
Inc., 1 DNA Way, South San Francisco, CA 94080, USA
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The Secreted Protein Discovery Initiative (SPDI), a Large-Scale Effort to Identify Novel Human Secreted and Transmembrane Protein A Bioinformatics Assessment
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Pred. No. 3.6e
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RESULT 10 BC010806 LOCUS DEFINITION ACCESSION VERSION KEYWORDS SOURCE ORGANISM REFERENCE AUTHORS	9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2 9 2
BC010806 BC010806 BC010806 BC010806 Mus musculus expressed sequence AIZ56711, mRNA (cDNA clone MGC:18899 IMAGE:4240425), complete cds. BC010806.1 GI:14789848 BC010806.1 GI:14789848 MGC. Mus musculus (house mouse) Mus musculus (house mouse) Mus musculus (chordata; Craniata; Vertebrata; Euteleostomi; Eutheria; Metazoa; Chordata; Sciurognathi; Muridae; Murinae; Mus. 1 (bases 1 to 1568) E 1 (bases 1 to 1568) E 1 (bases 1 to 1568) Strausberg, R.L., Feingold, E.A., Grouse, L.H., Derge, J.G., Klausner, R.D., Collins, F.S., Wagner, L., Schaefer, C.F., Bhat, N.K., Altschul, S.F., Zeeberg, B., Buetow, K.H., Schaefer, C.F., Bhat, N.K., Hopkins, R.F., Jordan, H., Moore, T., Max, S.I., Wang, J., Hsieh, F., Diatchenko, L., Marusina, K., Farmer, A.A., Rubin, G.M., Hong, L., Schapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Schapleton, M., Soares, M.B., Bonaldo, M.F., Casavant, T.L., Schapleton, R.D., Mullahy, S.J., Bosak, S.A., McEwan, P.J., McKernan, K.J., Malek, J.A., Gunaratne, P.H., Richards, S., Worley, K.C., Hale, S., Garcia, A.M., Gay, L.J., Hulyk, S.W., Villalon, D.K., Muzny, D.M., Sodergren, E.J., Lu, X., Gibbs, R.A., Fahey, J., Helton, E., Ketteman, M., Madan, A., Rodrigues, S., Sanchez, A., Whiting, M., Madan, A., Young, A.C., Shevchenko, Y., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E., Butterfield, Y.S., Krzywinski, M.I., Skalska, U., Smailus, D.E.,	481 GACGGGAAGCTTCAACGTGCTGTCTTGGTACCAGGACGGTATGGGGAGGTGGAGATAAAC 583 481 GACGGGAAGCTTTACGACGCCTACGTCTCCTACAGCGACTTGCCCCGAAGACCGCCAAGTTC 540

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TITLE
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Tissue Procurement: Jeffrey E. Green, M.D.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Sequencing Group at the Stanford Human (
center, Stanford University School of Medicine, Stanford, center, Stanford University School of Medicine, Stanford, web site:

Web site:

Net: http://www-shgc.stanford.edu
Contact: (Dickson, Mark) mcd@paxil.stanford.edu
Dickson, M., Schmutz, J., Grimwood, J., Rodriquez, A., and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at: http://image.llnl.gov Series: IRAK Plate: 25 Row: p Column: 10
This clone was selected for full length sequencing because it passed the following selection criteria: matched mRNA gi: 12746439.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Direct Submission
Submitted (12-JUL-2001) National Institutes of Health, Mammalian Submitted (12-JUL-2001) National Institutes of Health, Mammalian Gene Collection (MGC), Cancer Genomics Office, National Cancer Institute, 31 Center Drive, Room 11A03, Bethesda, MD 20892-2590,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           NIH-MGC Project URL: http://mgc.nci.nih.gov
Contact: MGC help desk
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Proc. Natl. Acad. Sci. U.S.A. 99 (26), 16899-16903 (2002)
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   AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC 120
                                        ATGGCAGGTGTCTGTGACATGGCCCCTAATTTCCCTTTCCCCATCTGAAGACCAGGCCTTG 179
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                                                                                                                   Conservative
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RCFRLTVVLSDAFLsrevCSQsfreGlcrllsltrrefifiteGQrrepthAlrllr
GRAAQGRGMESELDPDEGDLGVRGFVFGEPFTFLQETRICIGESHGSEmDVSDLGSR
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/db_xref="MGI:1344402"
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                                                                                                                                 69.8%;
81.7%;
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                                                                                                             Score 860.2; DB 10;
Pred. No. 2.9e+124;
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Mammalia; Eutheria; Rodentia; S
1 (bases 1 to 1421)
Poltorak, A. and Beutler, B.
Molecular cloning of mouse SIGI
Toll-like cytoplasmic domain
Unpublished
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Submitted (01-MAR-2000) Internal Medicine, UT Southwestern Medical
Center/HHMI, 5323 Harry Hines Boulevard, Dallas, TX 75235-9050, USA
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Mus musculus single Ig IL-1R-related
AF239957
AF239957.1 GI:7271942
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Poltorak, A. and Beutler, B.
AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC
                                                                                       CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
                                                                                                                                                                          CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC
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                                                                                                                                             CAGTGTCCCCAGCCATCAGTGCAGTGGCTGAAAGATGGTCTGGCATTGGGCAATGGAAGC
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                                                              CACTTCAGCCTCCATGAGGACTTCTGGGTCAGCGCCCAACTTCTCAGA---GATTGTGTCC
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/mol_type="mRNA"
/strain="BALB/c"
/db_xref="taxon:10090"
/coll_line="RAW 264.7"
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product="single Ig IL-IR-related protein"
/product="single Ig IL-IR-related protein"
/protein_id="single Ig IL-IR-related protein"
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Pred. No. 1.1e-123;
D; Mismatches 225;
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Garlanda, C., Rive, F., Polentarutti, N., Buracchi, C., Sironi, M. Bortoli, M., Muzio, M., Bergottini, R., Scanziani, B., Vecchi, A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Direct Submission
Submitted (14-DEC-1998) Immunology, Mario Negri Institute,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hirsch, B. and Mantovani, A.
Intestinal inflammation in mice deficient in Tir8,
member of the IL-1 receptor family
Proc. Natl. Acad. Sci. U.S.A. 101 (10), 3522-3526
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Mus musculus
Eukaryota; Metazoa;
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Penton-Rol,G., Polen
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Penton-Rol,G., Polentarutti,N., Muzio,M. and Mantovani,A.
TIRB: a novel toll/interleukin-1 receptor family member
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Mammalia; Eutheria; Rodentia;
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                            AGTGTCCTGGTGCTCAACTTGACCAATGCAGAGGACTATGGAACCTTCACCTGTTCTGTC
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Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                             /product="toll/interleukin-1 receptor 8"
/proteain_id="tol1/interleukin-1 receptor 8"
/proteain_id="APF26200.1"
/db_xref="GI:6714888"
/taln8lation="MAGVCIDMAPNFLSPSEDQALGLALGREVALNCTAWVFSRPQCPQ
PSVQWLKDGLALGNGSHFSLHEDFWVSANFSEIVSVLVLNITNAEDYGTFTCSVWNV
SSHSTLWRAGPAGHVAAVLASLLVLVVLLLVALLYVKCRLANNLLAWYQDTYREVEMND
GKLYDAYVSYSDCPEDKFVLNFLIKPQLERRRGYKLYVKCRLANNLLAWYGNSYSUCERLWALLVALLYLLVALLSSER
RCRRLIVVLSDAFLSRRWGSOSFREDCAAYWSSSPADLSSSPLRARGVSPAYTLLSGSCR
HDRHLVTLVLMKPGSVTPSSDTWKELQLALPRKVQYRPVEGDPQTRLQDDKDDMLIVR
GRAAQGRGMESELDPDPEGDLGVRGFVFGEPPTPLQETRICIGESHGSEMDVSDLGSR
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/note="putative transmembrane receptor of the Toll/IL-1
family; cytoplasmic domain similar to other IL-1R family
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Pred. No. 6.1e-119;
D; Mismatches 230;
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AK093427
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oligo capping; fis (full insert sequence)
                                                       AK093427

1867 bp mRNA
Homo sapiens cDNA FLJ36108 fis, clone TEST:
similar to Mus musculus toll/interleukin-1
                                                                                                                                                                                                 CTTCTACTGCCTGGTGTCCAAGGATGATATGTAG
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                                                                                                                                                                                                                                                                                                                                                                                                     Submitted (04-UL-2002) Takao Isogai, FLJ Project (HRI Team); 2-6-7 Kazusa-Kamatari, Kisarazu, Chiba 292-0812, Japan (B-mail:genomics@hri.co.jp, Tel:81-438-52-3975, Fax:81-438-52-3986) NEDO human cDNA sequencing project supported by Ministry of Economy, Trade and Industry of Japan; cDNA full insert sequencing: Research Association for Biotechnology (RAB); cDNA library construction: Helix Research Institute (HRI) (supported by Japan Key Technology Center etc.); 5'- & 3'-end one pass sequencing: RAB, HRI, and Biotechnology Center, National Institute of Technology and Evaluation; clone selection for full insert sequencing: HRI and Evaluation; Clone selection for full insert sequencing: HRI and RAB; annotation: HRI and RAB.
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Isogai, T. and Yamamoto, J.
Direct Submission
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879GACTCCTTCCTCCGATTTTTGGAAAGAAGTGC 910	γQ	_
1245 TGGGCAGCCGCAGGTGTGCTCTTGGGGGCCCAGGACGCCAGGGGCTTCCGAGGTGTTCACA 1304	ДЬ	
879 878	Ş	
1185 GGGGAGCCGCCCTTGAGGCCCCCGGAGCCACGGAATAGCTGTCGCAGGGCGTGGAACCCG 1244	Дb	
879 878	γQ	
1125 CGGCACCACGCTTTGTGAATGGGCCCTGGGGGGAGGTTCCGCTGCCTGGGGCCCCGATGC 1184	Дb	
879 878	γQ	ř
1065 GCGGGTTAGAGATGGGCGGTGCCCGGGCTCCAGGCTGGGACCCCTCCGTGGGGAGCTCTG 1124	Дb	
879 878	δ	
1005 GCTGCTCTGGAGGCCCGGCTCCGTGGTGCGGAGCAGGCGCGGGAGGGTCCGGGGCTAGCG 1064	Дb	
855 GCTGCTCTGGAGGCCCGGCTCCGT878	γQ	
945 GCGCGACCCCGGCACCCGGCGCTCCGCCTGCTGCGCCACCCAC	Дb	'
795 GCGCGACCCCGCGCACCCCGGCCGCCCTCCCTGCTGCTGCCACCCAC	δ	
885 CCTGTGCCGGCTGCTGGTGCTCACCCGCAGACCCATCTTCATCACCTTCGAGGGCCAGAG 944	дь	
735 CCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCACCTTCGAGGGCCAGAG 794	Q	•
825 GGGTTGGGTGGGCCCCAGCGTAGCACCCCACCCCCTGACGGTCCCCGCCCCGCAGGGGGGG 884	đđ	
728GGGAGGG 734	Ş	
765 TTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCCACAGCTTCCGGTGGGTCCCGCGCG 824	đđ	
683 TTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCCACGCTTCC 727	ρ	
705 CTGAGCCCTCCGCCGACCTCTTGGTGAACCTGAGCCGCTGCCGACGCCTCATCGTGGTGC 764	дb	
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645 AGCTGGAGCGTCGGGGCTACAAGCTCTTCCTGGACGACCGCGACCTCCTGCCGCGCG 704	망	
563 AGCTGGAGCGGCGTCGGGGGCTACAAGCTCTTCCTGGACCGCGACCTCCTGCCGCGCG 622	Ŋ.	
597GCGACTGCCCCGAGGACCGCAAGTTCGTGAACTTCATCCTAAAGCCGC 644	Дb	•
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559 TCTGGTACCAGGACGCGTATGGGGAGGTGGAGATAAAC 596	ДD	
443 TCTGGTACCAGGACGCGTATGGGGAGGTGGAGATAAACGACGGGAAGCTCTACGACGCCT 502	γQ	
499 TCCTGCTGCTGCTGCTGCCGCCCTCTATGTCAAGTGCCGTCTCAACGTGCTGC 558	닭	
383 TCCTGCTGGCCGCCTGCTGCCCCCTGCTCTATGTCAAGTGCCGTCTCAACGTGCTGC 442	οy	•
439 TCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCTGCGTGCTGGCCTCCCTC	Db	
323 TCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCTGCGGTGGCGTGCCTCCCTGG 382	γQ	
379 CCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATCCA	Дb	
263 CCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATCCA	γQ	
319 CCAGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCCAGTGTCCTGGGGGTCAACGTGA 378	DЬ	
203 CCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCCAGTGTCCTGGGGGTCAACGTGA 262	80	
Best Local Similarity 70.8%; Pred. No. 5.2e-77; Matches 994; Conservative 0; Mismatches 3; Indels 406; Gaps 3;	Be ₁ Mai	

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                                                                                                                                                                                                                              Primer A: No primer
Primer B: No primer
STS size: 655.
                                                                                                                                                                                                                                                                                                    Sequenom, Inc.
3595 John Hopkins Court, San
Tel: 18582029018
                                                                                                                                                                                                                                                                                                                                                                                                               Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Buteleost Mammalla; Butheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 655)
Nelson,R.M., Marnellos,G., Kammerer,S., Hoyal,C.R., Shi,M.M., Cantor,C.R. and Braun,A.
Large-Scale Validation of Single Nucleotide Polymorphisms in
                                                                                                                                                                                                                                                                                                                                            Contact: Andreas Braun Pharmaceuticals division
                                                                                                                                                                                                                                                                                                                                                                                          Genome
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BV177172
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                                                                                                                                                                                                                                                                                        Fax: 18582029020
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Homo sapiens
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                                                                       Similarity
CCGCTGCTGCGCAACCGCCACCTGGTGACCTTGCTGCTCTGGAGGCCCGGCTCCGTGACT
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                                                          Conservative
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Sequence 388
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Rattus norvegicus
Eukaryota, Metazoa; Chordata;
Mammalia; Eutheria; Rodentia;
                                                                                                                                                                                                                                                                                                                                                                                                               Farris,G., Hicken,S.H. and Farr,S.B.
Rat toxicologically relevant genes and
Patent: WO 02066682-A 388 29-AUG-2002;
Phase-1 Molecular Toxicology Inc. (US)
Location/Qualifiers
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                 CTGGCGCTGCCGCAAAGGTGCGGTACAGGCCGGTGGAAGGAGACCCCCCAGACGCAGCTG
                                                                       TTGCTGCTCTGGAGGCCCCGGCTCCGTGACTCCTTCCGATTTTTTGGAAAGAAGTGCAG
                                                                                                              AGGCGTGAGCCCATTCACCCTGCTCTCCGTCTCCTGCGCCAGCACCGCCACCTCGTGACC
                                                                                                                                GGACTGTGCCGCCTACTGGAGCTCACCCGCAGACCTATCTTTATCACCTTCGAGGGCCAG
                                                                                                                                                                                          GCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCATCACCTTCGAGGGCCAG
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CTGCTGCTTTGGAAGCCTGGCTCCGTGACACCTTCCTCTGATTTTTGGAAAGAGCTACAG
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/mol_type="unassigned DNA"
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Human pol

¤88888

This invention describes a novel human SIGIRR DNA, its allelic variants or species homologs which have anti-inflammatory and anti-autoimmune disease activity. SIGIRR is an analog of interleukin-1 receptor. The products of the invention are used (a) as probes or primers for identifying nucleic acid that encodes proteins with SIGIRR activity; (b)

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/ interleukin-1 im 1; Page 68-	19: 3DB;	18 JE;	₹	23-DEC-1997;)EC-1998	01-JUL-1999	WO9932626-A1	o sapiens	SIGIRR; anti-infl interleukin-1 rec breast cancer; in bladder cancer; d immune regulation; cell interaction;	Human SIGIRR	08-SEP-1999	AAX88091;	38091		60.6	62.2	65.4	161.6	186	196.8	231.8 231.8	245.4	250.6	357 250.6	391.6	391.6	506.4 391.8	846.6 841	1029.4 1025
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analog SIGIRR nucleic English.				•	•				SIGIRR; anti-inflammatory; anti-autoimmune dinterleukin-1 receptor; 11p15.5; arthrogrypo breast cancer; insulin-dependent diabetes; a bladder cancer; detection; cell-signal transimmune regulation; cell proliferation; cell cell interaction; inflammation; marker; mass				BP.	ALIGNMENTS	ADR05990	ADR05992	ADR05988	AAK61892	ABN94880	ADL87641	ADL87643 ADL87644	AAC06025	ADB55156	ADP46450 ABK62170	ADR91262	ABT09300	AAH99795 ADR26100	ADR41330 ADP46449	ADM24440 AAF18292
ucleic acid and proteins.									uttoimmune disease; chromosome 11; arthrogryposis multiplex congenita; diabetes; sickle cell anaemia; ignal transduction; gene therapy; ition; cell death; cell migration; arker; mass spectrometry; human; ss.						Adr05990 Human mut	Adrosope Human mut	Adrososs Murine tr Adrososs Human mut	Aak61892 Human imm	Ad18/64/ DNA UP-Fe Abn94880 Gene #137	Adl87641 DNA up-re	Adl87643 DNA up-re Adl87644 DNA up-re	Aac06025 Human sec	Adb55156 Toxicity-	Adp46450 Human col Abk62170 Rat seque	Adgillis Liver cox	Abt 09300 Phase-1 R	Aah99795 Human pro Adr26100 Breast ca	Adr41330 Human CD- Adp46449 Human col	Adm24440 Human PRO Aaf18292 Lung canc

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CC identify human chromosome 11, to map genes on this chromosome and to CC identify disease-related genes (particularly in the region 11p15.5 where CC genes are present associated with e.g. arthrogryposis multiplex CC congenita, breast cancer; insulin-dependent diabetes, sickle cell CC anaemia, bladder cancer; insulin-dependent diabetes, sickle cell CC enterapy. Sense and antisense oligonucleotides can be used to inhibit CC expression of the SIGIRR gene. The protesins of the invention are used: (i) to study cellusiar processes (immune regulation, proliferation, death, CC migration, interaction with other cells and inflammation); (ii) to CC identify and purify proteins that associate with SIGIRR ligands and CC receptors, and to measure their biological activity; (iii) in screening CC for, and rational design of, potential inhibitors of activity; (iv) therapeutically against diseases mediated by SIGIRR polypeptide counter CC structures; (v) as molecular weight (m.w.) markers in electrophoresis; (vi) for determining iscelectric points of unknown proteins; (vii) as CC controls for determining the extent of protein fragmentation (e.g. to aid CC characterization of protein structures by mass spectrometry); (viii) for generation of antibodies (Ab); (ix) to deliver diagnostic or therapeutic agents to cells that express SIGIRR binding molecules
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12-AUG-2004 PRO polynucleotide (first entry)

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KW Huma
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KW yase
KW yase
KW peri Human; PRO; gene; ss; immune related disorder; systemic lupus erythematosus; rheumatoid arthritis; osteoartly juvenile chronic arthritis; systemic sclerosis; Sjogren's synvasculitis; sarcoidosis; autoimmune haemolytic anaemia; autoimmune thrombocytopenia; thyroiditis; diabetes mellitus; renal disease; demyelinating disease; central nervous system peripheral nervous system; demyelinating polyneuropathy; Guillain-Barre syndrome; osteoarthritis; system; syndrome;

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Human; PRO; gene; ss; immune related disorder; systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis; juvenile chronic arthritis; systemic sclerosis; Sjogren's syndrome; vasculitis; sarcoidosis; autoimmune haemolytic anaemia; autoimmune thrombocytopenia; thyroiditis; diabetes mellitus;
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ss; gene; PRO; antiinflammatory; antiarthritic; antirheumatic;
immunosuppressive; osteopathic; antidiabetic; dermatological;
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The invention relates to a novel isolated nucleic acid and the PRO CC polypeptide encoded by it. A protein of the invention has antiinfiammatory, antiarthritic, antirheumatic, immunosuppressive, CC esteopathic, antidiabetic, dermatological, antipsoriatic, antiallergic, antialabetic, dermatological, antipsoriatic, antiallergic, cf. cf. antiastimatic, hepatotropic, and respiratory activity. A polynucleotide of the invention may have a use in gene therapy. The PRO polypeptide, its agonist, antagonist, or antibody that specifically binds to the cystemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, cystemic streating an immune related disorder such as ystemic lupus erythematory myopathy, Sjogren's syndrome, systemic sclerosis, an idiopathic inflammatory myopathy, Sjogren's syndrome, systemic sclerosis, and idiopathic, sarcoidosis, autoimmune haemolytic anaemia, autoimmune charonic active active pripheral nervous disease, a demyelinating disease of the central or peripheral nervous extensive polyneuropathy, Guillain-Barre syndrome, a system, idiopathic demyelinating polyneuropathy, unlilain-Barre syndrome, a chronic inflammatory demyelinating polyneuropathy, unlilain-Barre syndrome, a chronic inflammatory demyelinating polyneuropathy, unlilain-Barre syndrome, a system, idiopathic disease, gluten-sensitive enteropathy, whipple's disease, an autoimmune or autoimmune chronic active hepatitis, primary cirrhosis, granulomatous hepatitis, sclerosing cholangitis, consideration, whipple's disease, an autoimmune or immune-mediated skin disease, a bullous skin disease, are syndrome, and the sease, and autoimmune contact dermatitis, psoriasis, an allergic chinitis, atopic dermatitis, psoriasis, an allergic chipsesse, and allergic rhinitis, atopic dermatitis, hypersensitivity consideration or graft-versus-host disease. The present sequence encodes a proprotein of the invention.
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Wu TD;
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gene therapy; immune system.
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                                                                                                                                                                           The present sequence encodes a new isolated polypeptide (NOVX). The NOVX CC polypeptides, NOVX nucleate acids, and anti-NOVX antibodies are useful for treating or preventing NOVX-associated disorders. They are also useful CC for determining the presence of or a predisposition to a disease associated with altered levels of the NOVX polypeptide or nucleic acid. These NOVX-associated disorders include hyperplasias, tumours, createnosis, psoriasis, Dupuyrren's contracture, diabetic complications, createnosis, psoriasis, Dupuyrren's contracture, diabetic complications, codema, senile dementia or Alzheimer's disease. The NOVX polymucleotides created arctically useful in gene therapy. Specifically, NOVX is useful as a cc disgnostic marker or prognostic marker, protein therapeutic and antibody created contracture diseases, bone metabolic corresponse pathway, thyroid and metabolic diseases, bone metabolic cc disorders, diseases of the pancreas (e.g. diabetes or digestive contracture), proliferative diseases, or tissue regeneration and cc development (e.g. wound healing or treatment of burns)
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                                                                                                                                                        Sequence
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The invention relates to a new isolated NOV4 nucleic acid. The nucleic acid is useful for identifying a compound that binds the nucleic acid. The nucleic acid is useful in gene therapy, in screening assays, in detection assays e.g. chromosomal mapping, cell and tissue typing and forensic biology, predictive medicine e.g. diagnostic assays, prognostic assays, monitoring clinical trials and pharmacogenomics and methods of treatment including therapeutic and prophylactic. The nucleic acid is also useful for expressing NOVX protein. The nucleic acid is also useful for expressing NOVX protein. The nucleic acid is also useful in an in situ hybridisation technique, for identifying a specific tissue (for example brain tissue) and for use in forensic science. The nucleic acid is also useful for mapping genes on a chromosome and thus locating gene regions associated with genetic disease, identifying an individual from a minute biological sample and to aid in forensic identification of biological sample. The nucleic acid is also useful for treating cancer, capecially cancers of the breast, colon, lung, pancreas or uterus, or a melanoma or sarcoma. The nucleic acid is also useful for treating.
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16-MAR-2000; 2000US-0189810P.
22-MAR-2000; 2000US-0191158P.
30-MAR-2000; 2000US-0193086P.
03-MAY-2000; 2000US-0201188P.
31-MAY-2000; 2000US-00584411.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New nucleic acid sequence encoding a human breast tumor-associated protein 47-like polypeptide, useful for treating cardiovascular disorders, neural disorders, diabetes mellitus and cancers.
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Best Local Similarity
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      disorders related to organ transplantation, cardiovascular diseases, atherosclerosis, ischaemic heart disease, haemorrhage, diabetes mellitus, peripheral vascular disease, thrombosis, hypertension and systemic lupus erythematosus. NOVX protein encoded by the nucleic acid is useful for regulating haematopolesis, for regeneration of bone, cartilage, tendon ligament and/or nerve tissue growth or regeneration and for wound healing. The nucleic acid is also useful for treating infections, hyperproliferative disorders e.g. psoriasis, and neural disorders multiple sclerosis, amyotrophic lateral sclerosis (ALS), peripheral neuropathy, tumours of the nervous system, exposure to neurotoxins, acute brain injury, peripheral nerve trauma or injury and other neuropathies, epilepsy, and/or tremors. The present sequence represents DNA encoding a human breast tumour associated protein 47-like polypeptide
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                                                                                                                                                                                                                                                                                                                        <u>AAGTGCCGTCTCAACGTGCTGCTCTGGTACCAGGACGCGTATGGGGAAGGTGGAGATAAAC</u>
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Pred. No. 2.3e
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No. 2.3e-236;
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16-MAR-2000;
22-MAR-2000;
30-MAR-2000;
03-MAY-2000;
31-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Human; 88; gene; cell adhesion molecule; NOVX; cancer; leukaemia; lymphoma; melanoma; neurological disorder; epilepsy; ischaemic cerebrovascular disease; stroke; Alzheimer's disease; pick's disease; vesicular transport disorder; cystic fibrosis; diabetes mellitus; Grave's disease; golter; gastrointestinal disorder; ulcerative colitis; gastric ulcer; duodenal disorder; autoimmune disease; allergic reaction; autoimmune haemolytic anaemia; rheumatoid arthritis; viral infection; bacterial infection; fungal infection; helminthic infection; protozoal infections
     WPI; 2003-616079/58
                                                       Shimkets
                                                                                                                                                                                                                                                                                                                                15-OCT-2001;
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2000US-0189810P.
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New nucleic acids encoding human cell adhesion molecule-like proteins, useful for treating e.g. cancers, neurological disorders, viral, bacterial, fungal, helminthic and protozoal infections.

P-PSDB;

ADM56381

IJ NO 17; English

Condition relates to an isolated nucleic acid encoding a human cell calcides along the protein, comprising a sequence encoding a polypeptide having a sequence appearing as ADM56387, a sequence at least Condition to the nucleic acid, a sequence encoding a polypeptide comparising at least 20 nucleotides. Also included are an oligonucleotide comparising at least 20 nucleotides. Also included are an oligonucleotide conditions with) the nucleic acid (or a portion of it), a vector comprising the nucleic acid, a cell comprising the vector; a process for producing the polypeptide, and comparating the nucleic acid and a process for identifying a compound that binds the nucleic acid, and a compound identified by the process Disclosed as new are the CDNA and CC pharmaceutical carrier, a process for producing the nucleic acid, and a compound identified by the process Disclosed as new are the CDNA and CC pharmaceutics of a medicament for treating a syndrome associated with a compound disease selected from NOVX-associated disorder, such as cancers (e.g. leukaemia, lymphoma, melanoma or cancer of the liver, lung, muscle, covary, testis and uterus), neurological disorders (e.g. epilepsy, testis and the polypeptide construction of astroic and duodenal disorders), cancers (e.g. epilepsy, testis and the polypeptide construction of astroic and the even mumagial, halminthic construction of the p

Sequence 1659 BP; 296 A; 551 C; 504 G; 308 T; 0 U; 0 Other

Query Match

Similarity

99.9%;

Score 1231.4; DB 1 Pred. No. 2.3e-236;

DB 11; Length

밁 Ś 밁 S 밁 S 밁 S Best Local Sin Matches 1232; 301 544 484 241 424 181 364 121 304 244 19 ш CAGAACATCAGCTTCTCCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCCACGTGGCT CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC CACTGCTCCCTGCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCCTTCACCTGCTCCATC ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCCCCGGTCTGAAGACCAGGTGCTG AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC ATGCCAGGTGTCTGATAGGGCCCCTGACTTCCTCTCCCCGTCTGAAGACCAGGTGCTG AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC Conservative 0, Mismatches Indels <u>.</u> Gaps 240 603 360 543 300 483 423 180 363 120 303 60 0

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cytostatic; hepatotropic; vulnerary; antipsoriatic; osteopathic;
antiarthritic; antiatherosclerotic; haemostatic; vasotropic;
                                      cDNA encoding novel human protein NOV9
                                                                 12-FEB-2004
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immunosuppressive; antitutabettic; nypotensive; dermatalogical;
immunosuppressive; antiinflammatory; immunostimulant; fungicide;
KW virucide; protozoacide; neuroprotective; antirheumatic; antiarthritic;
KW antiasthmatic; antiparkinsonian; nootropic; anticonvulsant;
KW NOVX modulator; cancer; hyperproliferative disease; cirrhosis; keloid;
KW psoriasis; tissue hypertrophy; osteoarthritis;
KW atherosclerotic plaque formation; haemorrhage; ischaemic disease;
KW thrombosis; diabetes mellitus; hypertension; hypothyroidism;
immune deficiency; severe combined immunodeficiency; SCID; infection;
KW malaria; candidiasis; autoimmune disorder; connective tissue disease;
KW multiple sclerosis; systemic lupus, erythematosus; rheumatoid arthritis;
KW autoimmune pulmonary inflammation; Guillain-Barre syndrome;
KW autoimmune thyroiditis; insulin dependent diabetes mellitus;
KW myasthenia gravis; graft- versus-host disease;
KW mutisque regeneration; wound healing; tissue repair; burn; incision; ulcer;
KW periodontal disease; Alzhemier's disease; Parkinson's disease;
KW human; gene; ss.

KW human; gene; ss.
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Homo sapiens

US2003199103-A1

15-OCT-2001; 2001US-00977639

16-MAR-2000; 22-MAR-2000; 30-MAR-2000; 03-MAY-2000; 31-MAY-2000; 03-JUN-1999; ; 2000US-0189810P. ; 2000US-0191158P. ; 2000US-0193086P. ; 2000US-0201388P. ; 2000US-00584411. 99US-0137322P

CURAGEN CORP

RA , 'n Herrman 'n, Vernet

G

2004-021196/02.

Novel substantially NOVX polypeptide useful for diagnosing, preventing and treating diseases e.g., cancer, multiple sclerosis, systemic lupus

Disclosure; SEQ ID NO 17; 165pp; English

The invention describes a substantially purified polypeptide (I) having camino acid sequence chosen from a fully defined NOVX sequence (S1) of 708 cc amino acids as given in the specification, or polypeptide having one or conservative amino acid substitutions of polypeptide having one or cc more conservative amino acid substitutions or polypeptide having one or cc (s1). (I) having (S1) is useful for diagnosing a pathological cc condition associated with (I) or its activity in a subject e.g. cancer. (I) useful in treatment of cancer hyperproliferative diseases, conservative plaque formation, haemorrhage, ischaemic heart or renal cc disease, thrombosis, diabetes mellitus, hypertension, hypothyroidism. (I) is useful in treatment of various immune deficiencies and disorders such as severe combined immunodeficiency (SCID), bacterial infection, viral infection such as severe combined infuncation; (SCID), bacterial infection such as candidiasis. (I) is also useful in treating autoimmune disorders such as connective tissue disease, multiple cc clerosis, systemic lupus, erythematosus, rheumatoid arthritis, cautoimmune pulmonary inflammation, Guillain Barre syndrome, autoimmune cc thyroiditis, insulin dependent diabetes mellitus, myasthenia gravis, creative versus-host disease and autoimmune inflammatory eye disease and cc asthma. (I) useful in regulation of haemacopoiesis, regeneration and tissue repair. (I) is also useful in treatment of burns, cartilage, tendon, ligament and useful for wound healing and tissue repair. (I) is also useful in treatment of burns, consective disease, Alzhemier's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, and Shy-Drager syndrome. (I) has effective

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Query Match
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03-JUN-1999; 99US-0137322P.
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22-MAR-2000; 2000US-0191158P.
30-MAR-2000; 2000US-0193986P.
03-MAY-2000; 2000US-0201388P.
31-MAY-2000; 2000US-00584411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Human; NOVX protein; cancer; hyperproliferative disease; cirrhosis; keloid; psoriasis; tissue hypertrophy; osteoarthritis; atherosclerotic plaque formation; haemorrhage; ischaemic heart disease; renal disease; thrombosis; diabetes mellitus; hypertension; hypothyroidism; severe combined immunodeficiency; SCID; infection; malaria; candidiasis; autoimmune disorder; connective tissue disease; multiple sclerosis; systemic lupus erythematosus; rheumatoid arthritis; autoimmune pulmonary inflammation; Guillain-Barre syndrome; autoimmune inflammatory eye disease; asthma; burn; incision; ulcer; periodontal disease; Alhemier's disease; parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; Shy-Drager syndrome; haematopoiesis; wound healing; tissue repair; antitumor;
WPI; 2004-068928/07
P-PSDB; ADO60255.
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The invention relates to human NOVX polypeptides and polynucleotides. CC NOVX sequences are useful in the treatment of cancer, hyperproliferative disease, cirrhosis, keloid, psoriasis, tissue hypertrophy, corresponding to the control of the contr
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 CAGAACATCAGCTTCTCCTCCTTCACTCTCAGAGAGCTGGCCCTACAAGCCACGTGGCT
                                                                                                         CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
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                                                                                            CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
                                                                                                                                            CACTGCTCCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGC
                                                                                                                                                                                       AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTANTCTCTGGGCCC
                                                                       AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC
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ds; gene; human; colon specific protein;

CSP; CSNA; cytostatic; vaccine;

Human colon

specific nucleic acid SEQ ID

NO:24

(first

ADP46448; ADP46448

standard;

DNA; 1833

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Query Match
Best Local Similarity
Matches 1233; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               The invention relates to a novel colon specific protein (CSP) (I) and the nucleic acid (CSNA) encoding it. A CSP of the invention has cytostatic activity. The protein is useful as a vaccine, and the nucleic acid may have a use in gene therapy. A CSP is useful for determining the presence of a colon specific protein in a sample. A CSNA is useful for determining the presence of a colon specific nucleic acid (CSNA) in a sample. The CSP and CSNA are useful for diagnosing or monitoring the presence and metastases of colon cancer in a patient. A method of the invention is useful for treating a patient with colon cancer. A CSP and CSNA are useful in identifying, diagnosing, monitoring, staging, imaging colon cancer and non-cancerous disease state in colon, and as a vaccine for treating colon cancer and non-cancerous disease states in colon. The present sequence represents a CSNA of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            Novel colon specific protein derived from normal and neoplastic colc cell, useful as vaccine in treating colon cancer and in identifying, diagnosing, monitoring, staging, imaging colon cancer and non-cancer disease state in colon.
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CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
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                                                                                                                       AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCCTTCACCTGCTCCATC
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Best Local Sim
Matches 1073;
                                                                                                                                                                                                                                                                                                                                      The present invention relates to the isolation of novel human PRO polypeptides and the polynucleotide sequences encoding them. The PRO polypeptides, agonists, antagonists or anti-PRO antibodies are useful for treating benign or malignant tumours (e.g. renal, kidney, bladder, breating benign or malignant tumours (a.g. renal, conter disorders such as neuronal, leukaemias and lymphoid malignancies, other disorders such as neuronal, glial, astrocytal, hypothalamic, glandular, macrophagal, stromal and blastococelic disorders, inflammatory, immune and angiogenic disorders. The polynucleotide sequences are also useful in gene therapy. ABR40254-ABR40288 encode for the human PRO polypeptides of the invention
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             17-AUG-1999
31-AUG-1999
01-SEP-1999
15-SEP-1999
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Watanabe
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20-JUL-1999;
26-JUL-1999;
28-JUL-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Thirty five nucleic acids encoding PRO polypeptides, useful for treating benign or malignant tumors, leukemias and lymphoid malignancies, inflammatory, angiogenic and immunologic disorders.
                                                                                                                                                                                                                                                                                                          Sequence 1649
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ADJ37328 ADJ37328 standard; CDNA; 1649 ₽P

22-APR-2004 (first entry.

Human tumour therapy associated PRO342 cDNA.

cytostatic; gene therapy; PRO; PRO197; PRO207; PRO226; PRO232; PRO243;

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The invention describes an isolated PRO polypeptide. The PRO polypeptide:
CC has at least 80% amino acid sequence identity to: (1) any one of 35 fully
CC defined sequences of 104-954 amino acids (designated P1-P35) given in the
Especification, with or without its associated signal peptide; (2) an
CC extracellular domain of any one of the polypeptides of P1-P35, with or
CC without its associated signal peptide; or (3) an amino acid sequence
CC encoded by the full-length coding sequence of the DNA deposited under
CC 209397, 209786, 209482, 209494, 209358, 203376, 209250, 209508, 209379,
CC 209397, 209786, 209492, 203312, 55820, 209096, 203155, 203465,
CC PTA-255, PTA-618, PTA-545, PTA-256, 203538, 203661, 203835 or PTA-43; or
CC CC 200397, 209786, 200499, 203312, 55820, 203996, 203155, 203465,
CC PTA-255, PTA-618, PTA-545, PTA-256, 203538, 203661, 203835 or PTA-43; or
CC SCOTES at least 80% positives when compared to any one of the sequences
CC F1-P35. Specifically claimed are 35 PRO polypeptides, i.e. PR0197,
CC PR0277, PR0226, PR0232, PR0243, PR0256, PR0279, PR0313, PR03168,
CC PR01558, PR0779, PR01185, PR01465, PR031759, PR05775, PR07133, PR03168,
CC PR01558, PR0719, PR02186, PR0264, PR0313, PR0342, PR0573, PR0313, PR0361,
CC PR01558, PR07186, PR02180, PR03562, PR0342, PR05773, PR0861,
CC PR01558, PR07186, PR02186, PR0315, PR0313, PR05775, PR07133, PR0861,
CC PR01568, PR01866, PR01860, PR03562, PR05959, PR05975, PR07133, PR0861,
CC PR01568, PR07186, PR01860, PR03562, PR05959, PR05975, PR07133, PR0861,
CC PR01568, PR01866, PR01860, PR03562, PR05959, PR05975, PR07133, PR0861,
CC PR01568, PR07186, PR01866, PR03186, PR0319, PR0342, PR0342, PR034980,
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 New isolated PRO polypeptides, useful as targets for the diagnosis, prevention and treatment of cancers, e.g. lymphoma, blastoma, sarcoma leukemia, and as predictors of the prognosis of tumor treatment.
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11-FEB-2000; 2000WO-US003565
09-AUG-2001; 2001US-00927796
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P-PSDB; ADJ37329.
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                                                  AGGCCTGCCTTGGGCAGCTCAGTGGCTCTGAACTGCACGGCTTGGGTAGTCTCTGGGCCC
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i RM, Roy MA,
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                                                                                                                                                                                         Score 1071.8; DB 10; Length 1649;
Pred. No. 1.7e-204;
0; Mismatches 2; Indels 0;
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Human PRO polypeptide cDNA #24

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Query Match
Best Local Similarity
Matches 1073; Conserva
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  The invention relates to an isolated antibody that binds to a PRO polypeptide. The methods and compositions of the present invention are useful for diagnosing, prognosticating and/or treating neoplastic tumours, such as lung, colon, breast, prostate, rectal, cervical and liver tumours. The PRO polypeptides are also useful as molecular weight markers, or for chromosome identification. The PRO genes are useful as hybridisation probes, or for screening libraries of Human cDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Sequence 1649 BP; 267 A; 554 C; 526 G; 302 T; 0 U; 0 Other;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              New isolated antibodies binding PRO polypeptides, useful for diagnosing, prognosticating and/or treating neoplastic tumors, such as lung, colon, breast, prostate, rectal, cervical and liver tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Ashkenazi AJ, Goddard A, Godowski PJ,
Marsters SA, Pan J, Pitti RM, Roy MA,
Watanabe CK, Wood WI;
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11-FEB-2000; 2000WO-US003565.
09-AUG-2001; 2001US-00927796.
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CAGAACATCAGCTTCTCCTTCACTCTTCAGAGAGCTGGCCCTACAAGCCACGTGGCT
                                                                    AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC
                                                                                                AGTGTCCTGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGCCTTCACCTGCTCCATC 300
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Search completed: July 29, Job time: 763 secs 2005, 22:29:56

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ALIGNMENTS

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REFERENCE
AUTHORS
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cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Agencourt Bioscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLCM2006 row: b column: 14
High quality sequence stop: 611.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Contact: Robert Strausberg, Ph.D. Email: cgapbs-r@mail.nih.gov Tissue Procurement: DCTD/DTP
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo. 1 (bases 1 to 1043)
NIH-MGC http://mgc.nci.nih.gov/
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BM915345
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/tissue_type="amelanotic melanoma, cell line"
/lab_host="DH10B (phage-resistant)"
/clone_lib="NIH MGC 41"
/clone_lib="NIH MGC 41"
/note="Oxgan: skin; Vector: pOTB7; Site_1: XhoI; Site_2:
/note="Oxgan: skin; Vector: poTB7; Site_2:
/note="Oxgan: skin; Vector: shin; Site_2:
/note="Oxgan: skin; Vector: poTB7; Site_1: XhoI; Site_2:
/note="Oxgan: poTB7; Site_1: XhoI; Site_2: Note: skin; Site_2:
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/mol_type="mRNA"
/db_xref="taxon:9606"
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RESULT

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1 (bases 1 to 763)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
Unpublished (1999)
Contract. Politics
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Fibrary Preparation: The I.M.A.G.E. Consortium (LLNI
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information of found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11455 row: i column: 21
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/lab host="DH10B"
/clone lib="NNH MGC 116"
/clone="Corgan: pooled colon, kidney, stomach; Vector:
/note="Corgan: pooled colon, kidney, stomach; Vector:
/note="Corgan: pooled colon, kidney, stomach; Vector:
pCMV-SPORT6; Site 1: Not1; Site 2: EcoRV (destroyed); RNA
source anonymous pool of 3 colons, age 26 yo male, 49 yo
female, 71 yo male colon; 46 yo male kidney, and pool of 2
stomachs, 62 yo male and 70 yo female. Library is
oligo-dT primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.4 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
023. Note: this is a NIH_MGC Library."
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/db_xref="taxon:9606"
/clone="IMAGE:5182556"
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BG740350.1
EST.
                                                                                                                                                                                                                        Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: James Cleaver, M.D.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL) D

Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can
                                                                                                                                                                                       found through the I.M.A.G.E. Consortium/LLNL
http://image.llnl.gov
Plate: LLAM10636 row: 1 column: 02
                                                                                                                                                                                                                                                                                                           Unpublished (1999)
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1 (bases 1 to 941)
NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
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Mammalia; Eutheria; Primates;
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                                                                                                                                                                quality sequence stop: 856.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                 sapiens
                                                                                                                                                                                                                                                                                                                                                                                            sapiens (human)
                             /organisms"Homo Bapiens"
/mol_types"mRNA"
/mol_types"mRNA"
/db_xref="taxon:9606"
/clones"IMAGE:4779337"
/clones"IMAGE:4779337"
/clone libs"NCI CGAP Skn3"
/clone libs"NCI CGAP Skn3"
/notes="Organ: Bkln; Vector: pCMV-SPORT6; Site_1: Nc Site_2: Sall; Cloned unidirectionally. Primer: Oli Average insert size 1.5kb. Library constructed by Technologies. Note: this is a NCI_CGAP Library."
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            Eukaryota; Metazoa;
Mammalia; Eutheria;
                                               Homo
                                    Homo
                                    sapiens
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Best Local Similarity 98.: Matches 808; Conservative
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BX400205
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                                                                                      Bapiens
sapiens (human)
                                                                                    983 bp mRNA linear EST 28-APR-2004
Homo sapiens T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED
iens cDNA clone CSODJ005YE04 3-PRIME, mRNA sequence.
                                       GI:46847557
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Chordata; Craniata; Vertebrata; Euteleostomi; Primates; Catarrhini; Hominidae; Homo.

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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Li,W.B., Gruber,C., Jessee,J. and Polayes,D.
Full-length cDNA libraries and normalization
Unpublished (2001)
On May 13, 2003 this sequence version replaced gi:30618108.
Contact: Genoscope
Genoscope - Centre National de Sequencage
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Genoscope - Centre National de Sequencage
2 rue Gaston Cremteux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: segref@genoscope.cns.fr Web : www.genoscope.cns.fr
18t strand cDNA was primed with a Noti-oligo(dT) primer. F.
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                                    GGCCGGGCCCTGGACTCAGAGGTGGACCCGGACCCTGAGGGCGACCTGGGTGTCCGGGGG 1080
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                                                                                                                                                                                         AAAGAAGTGCAGCTGGCGCTGCCGGGAAGGTGCGGTACAGGCCGGTGGAAGGAGACCCC
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                                                                                                                                                                                                                                                                                                                                                TTCGAGGGCCAGAGCGCGACCCCGCGCACCCGGCGCTCCGCCTGCCGCCAGCACCGC
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                                                                                                                                                      AAAGAAGNTCAGCTGGC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /clone="C50DJ005YE04"
/cell_type="T CELLS (JURKAT CELL LINE) COT 10-NORMALIZED"
/cell_line="JURKAT"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
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10-NORMALIZED"
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Pred. No. 1.9e-143;
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Matches 728; Conserv
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1 (bases 1 to 821)

NIH-MGC http://mgc.nci.nih.gov/.

National Institutes of Health, Mammalian Gene Collection (MGC) Unpublished (1999)

Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tisse Procurement: DCTD/DTP

Tisse Procurement: DCTD/DTP
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AGCACTGAAGTCTATGGGGGCCTTCACCTGCTCCATCCAGAACATCAGCTTCTCCTTC
                                                                                                                                                                                                                                         GGGTCAAGGCCAA-CTGTCAGAGGTGCTTGTGTCCATGTGTCCTGGGGGGTCAACGTGACC
                                                                                                                                                                                                                                                                               GGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCCA-GTGTCCTGGGGGTCAACGTGACC
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                                                                                                        quality sequence stop: 793.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                             Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           /mol_type="mRNA"

/db xref="taxon:9606"
/clone="IMAGE:3941561"
/tissue_type="small cell carcinoma"
/cell line="MGC3"
/lab host="DH10B (phage-resistant)"
/lab host="DH10B (phage-resistant)"
/clone lib="NIH MGC 7"
/clone lib="NIH MGC 7"
/clone lib="NIH MGC 7"
/clone lib-"NIH M
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Pred. No. 1.3e-137;
0; Mismatches 41;
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       Bource
Unpublished (1999)
Contact: Robert Strausberg, Ph.D.
Email: cgapbs-remail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
Plate: LLAM11555 row: g column: 14
High quality sequence stop: 780.
Location/Qualifiers
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1 (Dases 1 to 952)

NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian Gene Collection (MGC)
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sapiens cDNA clone IMAGE:5220901 5',
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/mol type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5220901"
/lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               /clone lib="NIH_MGC_120"
/note="Organ: pooled pancreas and spleen; Vector:
/note="Organ: pooled pancreas and spleen; Vector:
pCMV-SPORT6; Site_1: Not1; Site_2: EcoRV (destroyed); RNA
source annonymous pool of spleen and pancreas from 28 yo
male. Library is oligo-dT primed and directionally cloned
(EcoRV site is destroyed upon cloning). Average insert
size 1.5 kb, insert size range 1-2.5 kb. Library is
normalized and enriched for full-length clones and was
constructed by C. Gruber (Invitrogen). Research Genetics
tracking code 025. Note: this is a NIH_MGC Library."
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98.7%;
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Pred. No. 4.7e-133;
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6

Indels Length

Gaps

60

207

180

120

267

mRNA

linear

EST

28-APR-2004

704

658

747

806

599

687 540 480

567 420

627

507 360 447 300 387 240 327

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REFERENCE
AUTHORS
TITLE
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Best Local S
Matches 643
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      II. W.B., Gruber, C., Jessee, J. and Polayes, D.
Full-length cDNA libraries and normalization

**Unpublished (2001)**

**Unpublished (2001)**

On May 8, 2003 this sequence version replaced gi:30457818.

Contact: Genoscope
Genoscope - Centre National de Sequencage
2 rue Gaston Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE
Email: seqrefagenoscope.cns.fr, Web: www.genoscope.cns.fr
1st strand cDNA was primed with a NotI-0.1igo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and ECOR V sites of the pCMVSPRT 6 vector. Library was normalized. Library was constructed by Life Technologies, a division of Invitrogen.
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BX369506.2 GI:46833010
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Homo sapiens
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GCCGAGTCCCTGAGGGCCCTGGACTCAGAGGTGGACCCGGACCCTGAGGGCGACC
                                                                                     TGGAAGGAGACCCCCAGACGCAGCTGCAGGACGACAAGGACCCCATGCTGATTCTTCGAG
                                                                                                                                                                                                                         TGCGCCAGCACCTGGTGACCTTGCTGCTCTGGAGGCCCGGCTCCGTGACTCCTT
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                                                              TGGAAGGAGACCCCCAGACGCAGCTGCAGGACGACGACCCCATGCTGATTCTTCGAG
                                                                                                                                              CCTCCGATTTTTGGAAAGAAGTGCAGCTGGCGCTGCCGCGGAAGGTGCAGTACAGGCCTG
                                                                                                                                                                       CCTCCGATTTTTGGAAAGAAGTGCAGCTGGCGCTGCCGCGAAGGTGCGGTACAGGCCGG
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/cell_Ype="TCELLS (JURKAT CELL LINE) COT 10-NORMALIZED"
/cell_line="JURKAT"
/clone_lib="Homo sapiens T CELLS (JURKAT CELL LINE) COT
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Pred. No. 9.5
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Contact: Robert Strausberg, Ph.D.

Email: cgapbs-r@mail.nih.gov

Tissue Procurement: Life Technologies, Inc.

cDNA Library Preparation: Life Technologies, Inc.

cDNA Library Arrayed by: The I.M.A.G.B. Consortium (LLNL)

DNA Sequencing by: Incyte Genomics, Inc.

Clone distribution: MGC clone distribution information can
found through the I.M.A.G.B. Consortium/LLNL at:

http://image.llnl.gov

Plate: LLAM11450 row: d column: 16
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National Institutes of Health, Mammalian
Unpublished (1999)
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Location/Qualifiers
                                                                                                                                                          Conservative
                                                                                                                                                                                                                                                                                        /clone_lib="NIH_MGC_115"
/note="Organ: pooled brain, lung, testis; Vector:
/note="Organ: pooled brain, lung, testis; Vector:
pcMV-SPORT6; Site_1: NotI; Site_2: EcoRV (destroyed); RN
source anonymous pool of 6 male brains, age range 23-27;
male lung, age 27; and 1 male testis, age 69. Library i
oligo-dT primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.8 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by
Gruber (Invitrogen). Research Genetics tracking code
                                                                                                                                                                                                                                                           Gruber (Invitrogen). Research Genetics tracking 021. Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     /organism="Homo sapiens"
/mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5180511"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    /lab_host="DH108"
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99.5%;
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Pred. No. 1.9e-128;
0; Mismatches 3;
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                                                                                                  Email: Cgapbs r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium (LINL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LINL at:
http://image.lnl.gov
Plate: LLAM11517 row: j column: 13
High quality sequence stop: 807.
Location/Qualifiers
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603057053F1 NIH_MGC_122
mRNA_sequence.
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NH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
Unpublished (1999)
                                                                                                                                                                                                                                                                     Contact: Robert Strausberg,
                                                                                                                                                                                                                                                                                                                                        Bukaryota, Metazoa, Chordata, Craniata, Vertebrata, Euteleostomi,
Mammalia, Butheria, Primates, Catarrhini, Hominidae, Homo.
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/clone_lib="NIH_MGC_122"
                                            /mol_type="mRNA"
/db_xref="taxon:9606"
                                                                         organism="Homo sapiens"
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/note="Organ: pooled lung and spleen; Vector: pCMV-SPORT6; Site 1: Not1; Site 2: EcoRV (destroyed); RNA source anonymous pool of 74 week female lung, 16 week female spleen, and 20-22 week male spleens. Library is oligo-dT primed and directionally cloned (EcoRV site is destroyed upon cloning). Average insert size 1.4 kb, insert size range 1-3 kb. Library is normalized and enriched for full-length clones and was constructed by C. Gruber (Invitrogen). Research Genetics tracking code 026. Note: this is a NIH_MGC Library."
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ORIGIN

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RESULT 10
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                                                                            ACCGGGAACTCCTGCCGCGCGCGCTGAGCCCTCCGACGACTCTTGGTTGAACCTGA
                                                                                                                                        AACTTCATCCTACAGCCGCAGCTGGAGCGGCGTCGGGGCTACAAAGCTCTTCCTTGGACG
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Pred. No. 2.1e-123;
0; Mismatches 15;
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VERSION KEYWORDS SOURCE ORGANISM

Homo

sapiens sapiens

Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

ACCESSION

CV026019.1 Homo

GI:51483978 (human)

DEFINITION

CV026019 621 bp mRNA linear 3834 Full Length cDNA from the Mammalian Gene Colle sapiens cDNA 5' similar to BC003591, mRNA sequence.

p mRNA linear EST 20-AU Mammalian Gene Collection Homo

EST 20-AUG-2004

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JOURNAL
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Best Local
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BACKWARD: TACATATCATTCGACCAG
INBERT Length: 621 Std Error: 36.00
Plate: 11010 row: 08 column: C
Plate: ACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAAC
Seq primer: ACTGGCCGTCGTTTTACAACGTCGTGACTGGGAAAAC
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Email: Marc Vidal@dfci.harvard.edu
ORF Sequence Tag (OST) of Gateway Entry c
results from a PCR reaction using an MGC
template DNA and ORF specific primers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             1 Jimmy Fund Way Smith 858,
Tel: 617 632 5180
Fax: 617 632 5739
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Dana Farber Cancer Institute
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                                                                       CAGAACATCAGCTTCTCCTTCCACTCTTCAGAGAGAGCTGGCCCTACAAGCCACGTGGCT 360
                                                                                                                                                                                                                                                             CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC 240
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ATGCCAGGTGTCTGTGATAGGGCCCCTGACTTCCTCTCTCCCCGTTTGAAGACCAGGTGCTG
AGTGTCCTGGGGGGTCAACGTGACCAGCACTGAAGTCTATGGGGGCCTTCACCTGCTCCATC
                                                                                                                                                                                                                  CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
                                                                                                                                                                                                                                                                                                       CACTGCTCCCTTCAGTCCAGTGGCTGAAAGACGGGCTTCCATTGGGAATTGGGGGGC
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/db_xref="taxon:9606"
/tissue_type="mixed"
/~lone lib="Full Length cDNA from the Mammalian Gene
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  /note="Vector: mixed; The ORPs were PCR amplified from the MGC (Mammalian Gene Collection) as of April 2004 and cloned by recombinational Gateway cloning into pbour223 Donor vector. Reference: MGC (Mammalian Gene Collection) Program Team, Generation and Initial Analysis of more than 15,000 Full-Length Human and Mouse cDNA Sequences. PNAS, 2002, 99(26), 16899-16903"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           organism="Homo sapiens"
/mol_type="mRNA"
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Pred. No. 3.1e-123;
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I full-length cDNA as
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REFERENCE
AUTHORS
TITLE
JOURNAL
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SOURCE
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                                                                                                                                                                                                                                                                                                                                                                                                          source
                                                                                                                                                                                                                                                                                                                                                                                                                      Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
CDNA Library Preparation: Life Technologies, Inc.
CDNA Library Arrayed by: The I.M.A.G.E. Consortium (LLNL)
DNA Sequencing by: Incyte Genomics, Inc.
Clone distribution: MGC clone distribution information can be found through the I.M.A.G.E. Consortium/LLNL at:
http://image.llnl.gov
plate: LLAM11455 row: i column: 21
High quality sequence stop: 733.
Location/Qualifiers
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  601
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NIH-MGC http://mgc.nci.nih.gov/.
National Institutes of Health, Mammalian
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
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603041985T1 NIH_MGC_116 Homo
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Unpublished (1999)
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/clone_lib="NIH MGC 116"
//clone_lib="NIH MGC 116"
//note="Organ: pooled colon, kidney, stomach; Vector:
/note="Organ: pooled colon, kidney, stomach; Vector:
pCMV-SPORT6; Site_1: Not1; Site_2: EcoRV (destroyed); RNA
source anonymous pool of 3 colons, age 26 yo male, 49 yo
female, 71 yo male colon; 46 yo male kidney, and pool of 2
stomachs, 62 yo male and 70 yo female. Library is
oligo-dT primed and directionally cloned (EcoRV site is
oligo-dT primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.4 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
023. Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                             /mol_type="mRNA"
/db_xref="taxon:9606"
/clone="IMAGE:5182556"
                                                                                                                                                                                                                                                                                          /lab_host="DH10B"
                                                                                                                                                                                                                                                                                                                                                                                  organism="Homo sapiens"
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Query Match
Best Local Similarity
Matches 646; Conserv

Conservative

0

Score 606.6; DB 4; Pred. No. 2.3e-121; 0; Mismatches 9;

Length

791;

4

Gaps

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49.2%;

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                                                                                   Contact: Robert Strausberg, Ph.D.
Email: cgapbs-r@mail.nih.gov
Tissue Procurement: Life Technologies, Inc.
cDNA Library Preparation: Life Technologies, Inc.
cDNA Library Arrayed by: The I.M.A.G.E. Consortium
DNA Sequencing by: Agencourt Bloscience Corporation
Clone distribution: MGC clone distribution information can
found through the I.M.A.G.E. Consortium/LINL at:
http://image.llnl.gov
plate: LLMM12807 row: p column: 16
High quality sequence stop: 655.
Location/Qualifiers
                                                                                                                                                                                                      Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalla; Eutherla; Primates; Catarrhini; Hominidae; Homo.

1 (bases 1 to 1106)

NIH-MGC http://mgc.nci.nih.gov/

National Institutes of Health, Mammalian Gene Collection (MGC)

Unpublished (1999)
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                                   AACCGCTGGCCGACCCCTCATCGTGGGGTTTTTCCGGACGCCTTTCCTGGAGCCGGGCCTG
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//clone_lib="NIH_MGC_116"
//note="Organ: pooled colon, kidney, stomach; Vector:
/note="Organ: pooled colon, kidney, stomach; Vector:
pCMV-SPORT6; Site_1: Not1; Site_2: EcoRV (destroyed); RNA
source anonymous pool of 3 colons, age 26 yo male, 49 yo
female, 71 yo male colon, 46 yo male kidney, and pool of 2
stomachs, 62 yo male and 70 yo female. Library is
oligo-df primed and directionally cloned (EcoRV site is
destroyed upon cloning). Average insert size 1.4 kb,
insert size range 1-3 kb. Library is normalized and
enriched for full-length clones and was constructed by C.
Gruber (Invitrogen). Research Genetics tracking code
023. Note: this is a NIH_MGC Library."
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      /clone="IMAGE:5760639"
/lab_host="DH10B"
/clone_lib="NIH_MGC_11
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/mol_type="mRNA"
/db_xref="taxon:9606"
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EST.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi; Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
1. (bases 1 to 845)
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Tissue Procurement: DCTD/DTP
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National Institutes of Health, Mammalian
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Unpublished (1999)
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                                  CACTACAGCCTCCACGAGTACTCCTGGGTCAAGGCCAACCTGTCAGAGGTGCTTGTGTCC
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/db xref="taxon:9606"
/cione="IMAGE:3939162"
/tissue_type="small cell carcinoma"
/cell_line="MGC3"
/cell_line="MGC3"
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       /lab host="WHIOB (phage-resistant)"
/clone_lib="NIH MGC_7"
/clone_lib="NIH MGC_7"
/note="Organ: lung; Vector: pOTB7; Site_1: XhoI; Site_2: EcoRI; cDNA made by oligo-dT priming. Directionally cloned into EcoRI/XhoI sites using the following 5; adaptor: GGCACGAG(G). Size-selected >500bp for average insert size 1.8kb. Library constructed by Ling Hong in the laboratory of Gerald M. Rubin (University of California, Berkeley) using ZAP-cDNA synthesis kit (Stratagene) and Superscript II RT (Life Technologies)."
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Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.

Eliw.B., Gruber, C., Jessee, J. and Polayes, D.

Full-length cDNA libraries and normalization

AL Unpublished (2001)

AL Unpublished (2001)

Contact: Genoscope

Genoscope - Centre National de Sequencage

Grubero Cremieux, CP 5706 - 91057 EVRY cedex - FRANCE

Email: segref@genoscope.cns.fr, Web: www.genoscope.cns.fr

1st strand cDNA was primed with a NotI-Oligo(GT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR V sites of the pomVSPORT 6 vector. Library was normalized. Library was constructed by Life Technologies, a
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BX341382
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                                                                           /note="18t strand cDNA was primed with a NotI-oligo(dT) primer. Five prime end enriched, double-strand cDNA was digested with Not I and cloned into the Not I and EcoR sites of the pCMVSPORT 6 vector. Library was normalized
                                                                                                                                                                                                                                            /clone="CSODJ015YD03"
/cell_type="T CELLS (JURKAT CELL LINE)
/cell_line="JURKAT"
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/db_xref="taxon:9606"
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Score 585.4;
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<u>ن</u>
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           Contact: Soares, MB
Coordinated Laboratory for Computational Genomics
University of Iowa
375 Newton Road , 4156 MEBRF, Iowa City, IA 52242,
Tel: 319 335 8250
                                                                                                                                                                                                                                                            584 bp mRNA linear EST 28 UI-E-EJO-ahr-n-24-0-UI.xl UI-E-EJO Homo Bapiens cDNA clone UI-E-EJO-ahr-n-24-0-UI 5', mRNA Bequence.
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Bonaldo, M.F., Lennon, G. and Soares, M.B.
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Email: bento-soares@uiowa.edu

CDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
CDNA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
CLONA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
CLONA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
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CLONA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
CLONA Library preparation: Dr. M. Bento Soares, Univeristy of Iowa
CLONE Distribution: Researchers may obtain clones from Research
The following repetitive elements were found in this cDNA
sequence: 35-104, **MERS2#Unknown (matched compliment)

Seq primer: M13 Reverse.

1. 584

/organisme "Homo sapiens"
//old **xref="taxon:9606"
//old **xref="taxon:9606"
//old **xref="taxon:9606"
//olone="UII=-EJO-ahr-n-24-0-UI"
//Lisue_type="fetal eyes, lens, eye anterior segment,
//optic nerve, retina, Retina Foveal and Macular, RPE and
Choroid"
//olone="UII=-EJO-ahr-n-24-0-UI"
//lab host="BH10B (Life Technologies) (T1 phage resistant)"
//clone="UII=-EJO and adult"
//clone_1b="UI-E-EJO"
//note="Organ: eye; Vector: pT773-Pac (Pharmacia) with a
modified polylinker; Site_1: Ecor I; Site_2: Not I;
UI-B-EJO is a subtracted CDNA library constructed
according to Bonaldo, Lennon and Soares, Genome Research,
6:791-806, 1996. First strand cDNA synthesis was primed
with Not I; and cloned directionally into pT773-Pac
vector. The Oligonucleotide used to prime the synthesis of
first-strand cDNA contains a library tag sequence that is
located between the Not I site and the (dT)18 tail. The
sequence tags for this library are: fetal eyes,
ANTGCCCAN; optic nerve, CCATTNACTG; retina, CCGCG; Retina
foreal and Macular, GTCC; RPE and Choroid, ACCTA. This
library was created for the program, Gene Discovery in the
Visual System, supported by National Eye Institute (NEI)."
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659 GCTGCCGACGCCTCATCGTGGTGCTTTCCGGACGCCTTCCCTGAGCCGGGCCTGGTGCAGCC AGGGCCGGGCCCTGGACTCAGAGGTGGACCCGGACCCTGAGGGCGACCCTGGGTGTCCGGG CCCAGACGCAGCTGCAGGACGACAAGGACCCCATGCTGATTCTTCGAGGCCGAGTCCCTG GGAAAGAAGTGCAGCTGGCGCTGCCGCGGAAGGTGCGGTACAGGCCGGTGGAAGGAGACC GAAAAGAAGTGCAGCTGGCGCTGCCGCGGAAGGTGCGGTACAGGCCGGTGGAAGGAGACC ACAGCTTCCGGGAGGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCCATCTTCATCA CCTTCGAGGGCCAGAGGCGCGACCCGGCGCGCTCCGCCTGCTGCGCCAGCACC ACAGCTTCCGGGAGGCCTGTGCCGGCTGCTGGAGCTCACCCGCAGACCCATCTTCATCA GCTGCCGACGCCTCATCGTGGTGCTTTCGGACGCCTTCCTGAGCCGGGCCTGGTGCAGCC Conservative 100.0%; <u>,</u> Score 575; DB 4; Lo Pred. No. 1.7e-114; Mismatches Length 584; Indels 0 1078 1018 60 300 958 898 838 180

420

Search Job tin	용	ş	DЬ	Ş	Db	δ
Search completed: July 30, 2005, 01:21:04 Job time : 4602 secs	541 ACTTCTACTGCTGGTGTCCAAGGATGATATGTAG 575	1199 ACTTCTACTGCCTGGTGTCCAAGGATGATATGTAG 1233	481 GCCGGAGCGAAGTGGACGTCTCGGATCTCGGCTCGCGAAACTACAGTGCCCGCACAG 540	1139 GCCGGAGCAGCGAAGTGGACCGTCTCGGATCTCGGCTCGCGAAACTACAGTGCCCGGCACAG 1198	421 GGCCTGTTTTTGGAGAGCCATCAGCTCCACCGCACACCAGTGGGGTCTCGCTGGGAGAGA 480	1079 GGCCTGTTTTTGGAGAGCCATCAGCTCCACCGCACACCAGTGGGGTCTCGCTGGGAGAGA 1138

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Pred. No. is the number of results predicted by chance to have a score greater than or equal to the score of the result being printed, and is derived by analysis of the total score distribution.

SUMMARIES

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WPI; 1999-418925/35. N-PSDB; AAX88091.

Sims JE;

(IMMV) IMMUNEX CORP

Claim 2; Page 69-71; 72pp; English. New interleukin-1 receptor analog SIGIRR

nucleic acid

and

proteins.

This invention describes a novel human SIGIRR DNA, its allelic variants or species homologues which have anti-inflammatory and anti-autoimmune disease activity. SIGIRR is an analog of interleukin-1 receptor. The products of the invention are used (a) as probes or primers for identifying nucleic acid that encodes proteins with SIGIRR activity; (b) to identify human chromosome 11, to map genes on this chromosome and to identify disease-related genes (particularly in the region 11p15.5 where genes are present associated with e.g. arthrogryposis multiplex congenita, breast cancer, insulin-dependent diabetes, sickle cell anaemia, bladder cancer), including detection of defective genes; (c) to

45	44	43	42	41	40	39	38	37	36	35	34	33	32	31	30	29	28	27	0
256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	256.5	257.5	257.5	257.5	258.5	267.5	267.5	267.5	267.5	267.5	542	100
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ALIGNMENTS

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SIGIRR; anti-inflammatory; anti-autoimmune disease; chromosome 11; interleukin-1 receptor; 11p15.5; arthrogryposis multiplex congenita; breast cancer; insulin-dependent diabetes; sickle cell anaemia; bladder cancer; detection; cell-signal transduction; gene therapy; immune regulation; cell proliferation; cell death; cell migration; immune regulation; cell proliferation; cell death; cell migration;
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Best Local :
                                                                                                                                                                           Human; NOVX; antiinflammatory; cytostatic; neuroprotective; cerebroprotective; immunomodulator; vulnerary; vasotropic; gene ther hyperplasia; tumour; restenosis; psoriasis; Dupuytren's contracture; diabetes; rheumatoid arthritis; cerebral oedema; Alzheimer's disease
    01-JUN-2000; 2000WO-US015303
                                             14-DEC-2000
                                                                                             WO200075321-A2
                                                                                                                                       Homo sapiens.
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16-MAR-2000;
22-MAR-2000;
30-MAR-2000;
31-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       The present sequence is a new isolated polypeptide (NOVX). The NOVX polypeptides, NOVX nucleic acids, and anti-NOVX antibodies are useful for treating or preventing NOVX-associated disorders. They are also useful for determining the presence of or a predisposition to a disease associated with altered levels of the NOVX polypeptide or nucleic acid. These NOVX-associated disorders include hyperplasias, tumours, restenosis, psoriasis, Dupuytren's contracture, diabetic complications, rheumatoid arthritis, cerebral lesions, diabetic neuropathies, cerebral oedema, senile dementia or Alzheimer's disease. The NOVX polymucleotides are especially useful in gene therapy. Specifically, NOVX is useful as a diagnostic marker or prognostic marker, protein therapeutic and antibody target or small molecule drug target to treat disorders in the immune response pathway, thyroid and metabolic diseases, bone metabolic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          disorders, diseases of the pancreas (e.g. diabetes or digestive disorders), proliferative diseases, or tissue regeneration and development (e.g. wound healing or treatment of burns)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             New NOVX polypeptides and polynucleotides, useful in gene therapy, as a diagnostic marker, protein therapeutic, antibody or small molecule drug target for treating immune, proliferative and metabolic diseases and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Sequence 410
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DB; AAF27857.
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; 2000US-0189810P.
; 2000US-0191158P.
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; 2000US-00137322.
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The invention relates to a new isolated NOV4 nucleic acid. The nucleic CC acid is useful for identifying a compound that binds the nucleic acid. The nucleic acid is useful in gene therapy, in screening assays, in CC detection assays e.g. chromosomal mapping, cell and tissue typing and CC forensic biology, predictive medicine e.g. diagnostic assays, prognostic cassays, monitoring clinical trials and pharmacogenomics and methods of CC treatment including therapeutic and prophylactic. The nucleic acid is also useful for expressing NOVX protein. The nucleic acid is also useful co provide polynucleotide reagents e.g. labelled probes that are useful co in an in eitu hybridisation technique, for identifying a specific tissue (for example brain tissue) and for use in forensic science. The nucleic acid is also useful for mapping genes on a chromosome and thus locating gene regions associated with genetic disease, identifying an individual cromm a minute biological sample and to aid in forensic identification of biological sample. The nucleic acid is also useful for treating cancer, especially cancers of the breast, colon, lung, pancreas or uterus, or a colanoma or sarcoma. The nucleic acid is also useful for treating cancer, atherosclerosis, ischaemic heart disease, haemorrhage, diabetes mellitus, cerythematosus. NOVX protein encoded by the nucleic acid is useful for creating collatant and/or nerve tissue growth or regeneration and systemic lipus cerythemat vascular diseases, thrombosis, hypertension and systemic lipus cerythematosus. Move the season account of the vound.
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30-MAR-2000;
03-MAY-2000;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   New nucleic acid sequence encoding a human breast tumor-associated protein 47-like polypeptide, useful for treating cardiovascular disorders, neural disorders, diabetes mellitus and cancers.
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N-PSDB; ACD40262.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Disclosure;
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16-MAR-2000;
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2000US-0191158P.
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Best Local S
Matches 410
                                                                                                                                                                                                                                                                                                                                                                                                            melanoma; neurological disorder; epilepsy;
ischaemic cerebrovascular disease; stroke; Alzheimer's disease;
ischaemic cerebrovascular disease; stroke; Alzheimer's disease;
pick's disease; vesicular transport disorder; cystic fibrosis;
diabetes mellitus; Grave's disease; golter; gastrointestinal disorder;
ulcerative colitis; gastric ulcer; duodenal disorder; autoimmune disease;
ulcerative colitis; gastric ulcer; duodenal disorder; autoimmune disease;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          healing. The nucleic acid is also useful for treating infections, hyperproliferative disorders e.g. psoriasis, and neural disorders including parkinaon's disease, Alzheimer's disease, Huntington's disease, multiple sclerosis, amyotrophic lateral sclerosis (ALS), peripheral neuropathy, tumours of the nervous system, exposure to neurotoxins, acute brain injury, peripheral nervous system, exposure to neuropathies, epilepsy, and/or tremors. The present sequence represents the amino acid sequence of a human breast tumour associated protein 47-like polypeptide
                                                                                                                                                                                                                                                                                                                                                   allergic reaction; autoimmune haemolytic anaemia; rheumatoid arthritis; viral infection; bacterial infection; fungal infection;
                                                                                                                                                                                                                                                        Homo sapiens
                                                                                                                                                                                                                                                                                                                        nelminthic infection;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Human cell adhesion molecule NOV9.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                03-JUN-2004
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          cell adhesion molecule; NOVX; cancer; leukaemia; lymphoma;
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larity 100.0%;
Conservative 0
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                                                                                                                                                                                                                                                                                                                     protozoal
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Pred. No. 1.2e-218;
Mismatches 0;
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                                                                                                                                                                                                                                                                                                                 CC pharmaceutical carrier, a process for producing the nucleic acid and a CC process for identifying a compound that binds the nucleic acid and a CC process for identifying a compound that binds the nucleic acid, and a CC process for identified by the process. Disclosed as new are the cDNA and CC compound identified by the process. Disclosed as new are the cDNA and CC The NOVX polypeptide, nucleic acid or antibody are useful in the CC manufacture of a medicament for treating a syndrome associated with a CC (e.g. leukaemia, lymphoma, melanoma or cancer of the liver, lung, muscle, covary, testis and uterus), neurological disorders (e.g. epilepsy, CC ischaemic cerebrovascular disease, stroke, Alzheimer's disease or Pick's disease), disorders of vesicular transport (e.g. epilepsy, CC disease), disorders of vesicular transport (e.g. cystic fibrosis, CC disorders (e.g. ulcerative colitis, or gastric and duodenal disorders), autoimmune diseases (e.g. allergic reactions, autoimmune haemolytic canaemia, or rheumatoid arthritis), viral, bacterial, fungal, helminthic cand protozoal infections. The polypeptides can be used as immunogens to produce antibodies and as vaccines. The sequences may further be used in chromosome mappling, identifying individual from minute biological samples (tissue typing), and in forensic identification of a biological samples (colored the pattent, it is clear from table 3, the examples and the colored the proteins should be the odd numbers for the cDNAs should be the odd numbers conversed to present sequence represents a NOVX cell adhesion molecule of the
                                                                                                                                                                                                                                                        Query Match
Best Local (
                                                                                                                                                                                                                                     Matches 410;
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22-MAR-2000;
30-MAR-2000;
03-MAY-2000;
31-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  adhesion molecule-like protein, comprising a sequence encoding a polypeptide having a sequence appearing as ADM56387, a sequence at least 90% identical to the nucleic acid, a sequence encoding a polypeptide having conservative amino acid substitutions to the protein or a fragment comprising at least 20 nucleotides. Also included are an oligonucleotide sequence that is complementary to (and hybridises under stringent conditions with) the nucleic acid (or a portion of it), a vector comprising the nucleic acid, a cell comprising the vector, a
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        New nucleic acids encoding human cell adhesion molecule-like proteins, useful for treating e.g. cancers, neurological disorders, viral, bacterial, fungal, helminthic and protozoal infections.
                                                                                                                                                                                                                                                                                                               Sequence 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              The invention relates to an isolated nucleic acid encoding
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                                                                                                HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
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                                                                                                                                                                                                                                     Conservative
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                                                                                                                                                                                                                                                        Score 2147; DB 7;
Pred. No. 1.2e-218;
                                                                                                                                                                                                                                     Mismatches
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16-MAR-2000; 2000US-0189810P.
22-MAR-2000; 2000US-0191158P.
30-MAR-2000; 2000US-0193066P.
03-MAY-2000; 2000US-0201388P.
31-MAY-2000; 2000US-00584411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     malaria; candidiasis; autoimmune disorder; connective tissue disease; multiple sclerosis; systemic lupus, erythematosus; rheumatoid arthritis; autoimmune pulmonary inflammation; Guillain-Barre syndrome; autoimmune thyroiditis; insulin dependent diabetes mellitus; myasthenia gravis; graft- versus-host disease; autoimmune inflammatory eye disease; asthma, haematopoiesis; tissue regeneration; wound healing; tissue repair; burn; incision; ulcer; periodontal disease; Alzhemier's disease; Parkinson's disease; syndrome; Huntington's disease; amyotrophic lateral sclerosis; Shy-Drager syndrome;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               cytostatic; hepatotropic; vulnerary; antipsoriatic; osteopathic; antiatrhritic; antiatherosclerotic; haemostatic; vasotropic; thrombolytic; antiatherosclerotic; hypotensive; dermatalogical; immunosuppressive; antiinflammatory; immunostimulant; fungicide; virucide; protozoacide, neuroprotective; antirheumatic; antiarthritic; antiasthmatic; antiparkinsonian; nootropic; anticonvulsant; NOVX modulator; cancer; hyperproliferative disease; cirrhosis; keloid; psoriasis; tissue hypertrophy; osteoarthritis; atherosclerotic plaque formation; haemorrhage; ischaemic disease; thrombosis; diabetes mellitus; hypertension; hypothyroidism; immune deficiency; severe combined immunodeficiency; SCID; infection; immune deficiency; severe combined immunodeficiency; SCID; infection;
                                                                                                     N-PSDB;
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                                                                                                  2004-021196/02
DB; ADF66744.
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Novel substantially NOVX polypeptide useful for diagnosing, preventing and treating diseases e.g., cancer, multiple sclerosis, systemic lupus

preventing

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RESULT 6
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AC ADI1
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention describes a substantially purified polypeptide (I) having CC amino acid sequence chosen from a fully defined NOVX sequence (S1) of 708 cc amino acids as given in the specification, or polypeptide having one or CC more conservative amino acid substitutions of (S1). (I) having (S1) is useful for diagnosing a pathological condition associated with (I) or its activity in a subject e.g. cancer. (I) useful in treatment of cancer hyperproliferative diseases, cirrhosis, keloid, psoriasis, tissue hypertrophy, osteoarthritis, CC disease, thrombosis, diabetes mellitus, hypertension, hypothyroidism. (I) is useful in treatment of various immune deficiencies and disorders such as severe combined immunodeficiency (SID), bacterial infection, viral infection such as herpes viral infection, protozoan infection such as candidiasis. (I) is also useful in treating autoimmune disorders such as candidiasis. (I) is also useful in treatment of various immune tissue disease, multiple colleges yundation, culliain sarre syndrome, autoimmune thypus, erythematosus, rheumatoid arthritis, cantimune yinflammation, Guillain-Barre syndrome, autoimmune colleges yind autoimmune inflammatory eye disease and comparative versus-host disease and autoimmune inflammatory eye disease and colleges graft versus repair. (I) also useful in treatment of burns, collisions and tissue repair. (I) also useful in treatment of burns, colliscons and tissue repair. (I) also useful in treatment of burns, colliscons and tissue repair. (I) also useful in treatment of burns, colliscons and colleges. (I) also useful in treatment of burns, colliscons and tissue repair. (I) also useful in treatment of burns, colliscons and ulcers. (I) also useful in treatment of burns, colliscons and ulcers. (I) also useful in treatment of periodontal colliscons and autoimmune inflammatory eye disease, amount in treatment of periodontal amover human NOVX protesin.
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Best Local (
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Pred. No. 1.2e-218;
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03-JUN-1999;
16-MAR-2000;
22-MAR-2000;
30-MAR-2000;
                                                                                                                                                                                                                                             New NOVX nucleic acids encoding human KIAA0768 protein-like and h
protein PRO-228 polypeptides, useful for treating NOVX-associated
                                                                                                                                                                                                                                                                                                               Shimkets RA,
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31-MAY-2000;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Domain
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Parkinson's disease; epilepsy; immune disorder; osteoarthritis; haematopoietic disorder; inflammatory skin disorder; asthma; haematopoietic disorder; inflammatory skin disorder; asthma; dyslipidemia; neurogenesis; cell differentiation; cell proliferation; haematopoiesis; wound healing; angiogenesis; chromosome mapping; tissue typing; preventive medicine; pharmacogenomic; gene therapy; anorectic; cardiant; virucide; antibacterial; fungicide; protozoacide; nootropic; neuroprotective; dermatological; human.
                                                                                                                                                                                                             Disclosure;
                                                                                                                                                                                                                                                                                N-PSDB;
                                                                                                                                                                                                                                                                                           WPI; 2004-070737/07.
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                                                                                                                                                                                                                                                                                                                                      (CURA-)
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2000US-0189810P.
2000US-0191158P.
2000US-0193086P.
2000US-0201388P.
2000US-00584411.
                                                                                                                                                                                                            SEQ ID NO 18; 95pp; English.
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                                                                                                                                                                                                                                                          human
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The present invention is based in part on the discovery of novel secreted CC and membrane-bound polypeptides and their encoding polynucleotides. The CC nucleic acids and polypeptides are collectively referred as NOVX. The CC invention is useful for treating, preventing and diagnosing diseases such as CC viral, bacterial, fungal, helminthic and protozoal infections, anorexia, CC cancer, cardiovascular diseases such as hypertension and atherosclerosis, CC enerodegenerative disorders, Alzheimer's disease, Parkinson's disease, CC epilepsy, immune disorders such as osteoarthritis, haematopoietic CC disorders, inflammatory skin disorders, asthma and various dyslipidemias. The invention is also useful as targets for the identification of small CC differentiation, cell proliferation, haematopoietis, coll angiogenesis, as hybridisation probes, in chromosome mapping, tissue cryping, preventive medicine and pharmacogenomics. The invention is also useful as targets for the identification of small CC differentiation, cell proliferation, haematopoietis, wound healing and cangiogenesis, as hybridisation probes, in chromosome mapping, tissue country proventive medicine and pharmacogenomics. The invention is also useful in gene therapy. The present sequence is human NOV protein.

Sequence 410 Š

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Query Match
Best Local Similarity
Matches 410; Conserv
 100.
nilarity 100.
Conservative
.0%; Score 2147;
.0%; Pred. No. 1.:
0; Mismatches
           DB 8;
.2e-218;
  0,
                    Length
  Indels
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 Gaps
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AD06025
AC AD066
XX AD066
XX AD066
XX AD060
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16-MAR-2000; 2000US-0199810P.
22-MAR-2000; 2000US-019158P.
30-MAR-2000; 2000US-0193086P.
03-MAY-2000; 2000US-0201388P.
31-MAY-2000; 2000US-00584411.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       hypothyroidism; severe combined immunodeficiency; SCID; infection; malaria; candidiasis; autoimmune disorder; connective tissue disease; multiple sclerosis; systemic lupus exythematosus; rheumatoid arthritis; autoimmune pulmonary inflammation; Guillain-Barre syndrome; autoimmune thyroiditis; myasthenia gravis; graft- versus-host disease; autoimmune inflammatory eye disease; asthma; burn; incision; ulcer; periodontal disease; Albemier's disease; Parkinson's disease; Huntington's disease; amyotrophic lateral sclerosis; Shy-Drager syndrome; haematopoiesis; wound healing; tissue repair; antitumor;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Human; NOVX protein; cancer; hyperproliferative disease; cirrhosis; keloid; psoriasis; tissue hypertrophy; osteoarthritis; atherosclerotic plaque formation; haemorrhage; ischaemic heart disease; renal disease; thrombosis; diabetes mellitus; hypertension;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ADO60255 standard; protein; 410
      WPI; 2004-068928/07
                                                            Shimkets
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Sequence 410

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Alzhemier's disease, Parkinson's disease, Huntington's disease, amyotrophic lateral sclerosis, Shy-Drager syndrome, immune deficiencies and disorders such as severe combined immunodeficiency (SCID), bacterial infection, viral infection e.g. herpes viral infection, protozoan infection e.g. malaria, fungal infection e.g. candidiasis, autoimmune disorders such as connective tissue disease, multiple sclerosis, systemic lupus erythematosus, rheumatoid arthritis, autoimmune pulnonary cinflammation, Guillain-Barre syndrome, autoimmune pulnonary dependent diabetes mellitus, myasthenia gravis, graft-versus-host disease and autoimmune inflammatory eye disease. The invention is useful in regeneration and tissue growth of bone, cartilage, tendon, ligament, haematopoiesis regulation, wound healing and tissue repair. Sequences of the invention also exhibit antitumor and antiinflammatory activities. The
                                                                                                                                                                                                                                                                                                                                                                                                                                                                    NOVX sequences are useful in the treatment of cancer, hyperprolifer, diseases, cirrhosis, keloid, psoriasis, tissue hypertrophy, osteoarthritis, atherosclerotic plaque formation, haemorrhage, ische heart or renal disease, thrombosis, diabetes mellitus, hypertension, heart or renal disease, thrombosis, diabetes mellitus, hypertension,
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                                                 present sequence is
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            The invention relates to human NOVX polypeptides and polynucleotides. NOVX sequences are useful in the treatment of cancer, hyperproliferative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Disclosure; SEQ ID NO 18; 155pp; English
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                                                 human NOVX protein.
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Query Match Best Local Sim Matches 410; 301 361 301 241 241 181 181 121 121 61 61 1 MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGG Similarity AVLASILVILAILLAALLYVKCRLNVLLWYQDAYGEVEINDGKLYDAYVSYSDCPEDRKF HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA PVFGEPSAPPHTSGVSLGESRSSEVDVSDLGSRNYSARTDFYCLVSKDDM PVFGEPSAPPHTSGVSLGESRSSEVDVSDLGSRNYSARTDFYCLVSKDDM KEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRG KEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRG SFREGLCRLLELTRRPIFITFEGORRDPAHPALRLLRQHRHLVTLLLWRPGSVTPSSDFW SFREGLCRLLELTRRPIFITFEGQRRDPAHPALRLLRQHRHLVTLLLWRPGSVTPSSDFW VNFILKPOLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSRAWCSH AVLASLIVILALILAALIYVKCRINVIIWYQDAYGEVEINDGKLYDAYVSYSDCPEDRKF HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGG Conservative 100.0%; 0 Score 2147; DB 8; Pred. No. 1.2e-218; 0; Mismatches 0; Length Indels 410 0 120 60 360 300 300 240 180 180 120

RESULT 8
ADO20095
ID ADO2
XX
AC ADO2
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DT 12-P
XX
DE Huma

ADO20095 standard;

protein;

12-AUG-2004 ADO20095;

(first entry)

Human PRO polypeptide #502

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Query Match
Best Local Similarity
Matches 410; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Novel PRO polypeptide treating an immune rel rheumatoid arthritis, spondyloarthropathy.
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DB; ADO20094.
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Wu TD;
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Pred. No. 1.2e-218;
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Query Match Best Local S Matches 410

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Score 2147; Pred. No. 1

DB 8; 1 1.2e-218; 0;

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RESULT 9
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                                                                                   The invention relates to human PRO polypeptides and the polynucleotides encoding them. The polypeptides and polynucleotides are useful for treating and diagnosing immune related disorders in mammals. The immune related disorders include systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis, systemic sclerosis, Sjogren's syndrome, vasculitis, sarcoidosis, autoimmune haemolytic anaemia, autoimmune thrombocytopenia, thyroiditis, diabetes mellitus, immune-mediated renal disease, demyelinating diseases of the
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Human; PRO; immune related disorder; systemic lupus erythematosus; rheumatoid arthritis; osteoarthritis; juvenile chronic arthritis; systemic esclerosis; Sjogren's syndrome; vasculitis; sarcoidosis; autoimmune haemolytic anaemia; autoimmune thrombocycopenia; thyroiditis; diabetes mellitus; renal disease; demyelinating disease; central nervous system; peripheral nervous system; peripheral nervous system; demyelinating polyneuropathy; Guillain-Barre syndrome; chronic inflammatory demyelinating polyneuropathy.
                                         central or peripheral nervous system, demyelinating polyneuropathy, Guillain-Barre syndrome and chronic inflammatory demyelinating polyneuropathy. This sequence represents a human PRO polypeptide of
                                                                                                                                                                                                                                                                     Novel PRO polypeptide e.g., PRO69614, PRO71106, or PRO86388 useful for treating an immune related disorder such as systemic lupus erythematosus, rheumatoid arthritis, osteoarthritis, juvenile chronic arthritis or
                                                                                                                                                                                                                                                                                                                                     N-PSDB;
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Wood
                                                                                                                                                                                                                             Claim 7; SEQ
                                                                                                                                                                                                                                                            spondyloarthropathy.
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N-PSDB; ADO19086.
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Wu TD;
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RESULT 10
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                                                 New PRO polynucleotides and polypeptides, useful in useful in diagnosing and treating an immune related disease, e.g. systemic lupus erythematosus, rheumatoid arthritis, diabetes mellitus or asthma and in stimulating an immune response.
                          Claim 1;
                                                                                                                                                                                                                                                                                                                                                                                               antiasthmatic; antidiabetic; antiinflammatory; antipsoriatic;
antirheumatic; antithyroid; CNS; dermatological; gastrointestinal;
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                                                                                                                                                                                                                                                                                                                                 Homo sapiens
                                                                                                                                                                                                                                                                                                                                                         virucide; gene therapy.
                                                                                                                                                                                                                                                                                                                                                                    haemostatic; hepatotropic; immunostimulant; immunosupprenephrotropic; neuroprotective; osteopathic; respiratory;
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DB; ADP54077.
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                                                                                                                                                                                                                                                                                                                                                                                                                       PRO; immune related disease; inflammatory immune response; response stimulation; antiallergic; antianaemic; antiarthritic;
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T S'
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       VNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSRAWCSH
                          SEQ ID
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               standard;
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                      NO 54; 3009pp; English
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present

invention

describes an isolated

PRO nucleic acid

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Also

RESULT 11
ADP22970
ID ADP22
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AC ADP22
AC ADP22
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(first SEQ ID

ADP22970 standard;

PRO polypeptide 18-NOV-2004

NO:64

antiinflammatory; antiarthritic;

antirheumatic;

immunosuppressive;

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constituent to a vector compliantly (1) (2) a more cert compliantly (2) (2) a process for producing a PRO polypeptides; (4) and composition of the composition and considered expense; (6) an extractional expense; (7) an expense of a polypeptide of (4), an agonist or expense of (7); (9) a method of treating an immune related disease in a sample suspected of having the presence of a PRO polypeptide (2) an extractional expense expenses in a mammal; (10) a method of identifying a compound that inhibits or expenses the activity of or expression of a gene encoding a PRO polypeptide (2) and expenses have antiallergic, antianaemic, antiarrhritic, expenses have antianational expenses in a mammal. The expense of the encoded polypeptides, compositions, immunosuppressive, muscular, nephrotropic, immunostimulant, immunosuppressive, muscular, nephrotropic, and can be used in gene thorapy. The nucleic acid (1) and the encoded polypeptides, compositions, kits and methods are useful in diagnosing and treating an immune related disease and in expense expenses and in mamman related disease and in the present invention.
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Best Local Sin
Matches 410;
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                        PVFGEPSAPPHTSGVSLGESRSSEVDVSDLGSRNYSARTDFYCLVSKDDM
                                                                                                          KEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRG
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          100.0%; Score 2147; DB 8;
100.0%; Pred. No. 1.2e-218;
tive 0; Mismatches 0;
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                                                                                                                                                                                                                                   Matches 410;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   The invention relates to a novel isolated nucleic acid and the PRO polypeptide encoded by it. A protein of the invention has antiinflammatory, antiarthritic, antiheumatic, immunosuppressive, osteopathic, antidiabetic, dermatological, antipsoriatic, antiallergic, antiasthmatic, hepatotropic, and respiratory activity. A polynucleotide of the invention may have a use in gene therapy. The PRO polypeptide, it agonist, antagonist, or antibody that specifically binds to the polypeptide is useful for treating an immune related disorder such as
                                                                                                                                                                                                                                                                                                              Sequence 410
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          New PRO polypeptides and polynucleotides, useful for treating e.g. erythematosus, rheumatoid arthritis, diabetes mellitus, immune-mediated renal disease, or demyelinating diseases of the central or peripheral
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N-PSDB; ADP22969.
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                                                                                                                                                                                                                                                     Local Similarity
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                                                                           HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
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                                                                                                                                                                                                                               Score 2147; DB 8;
Pred. No. 1.2e-218;
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01-SEP-1999;
15-SEP-1999;
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02-UUN-1999
22-UUN-1999
22-UUN-1999
22-UUN-1999
20-UUL-1999
26-UUL-1999
28-UUL-1999
28-UUL-1999
                                                                                                                                 WPI; 2002-205567/26.
N-PSDB; ABK40277.
                                                                                                                                                                                                                                                                                                                                                               01-DEC-1999;
01-DEC-1999;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Human; PRO; benign tumour; malignant tumour; lymphoid malignancy; leukaemia; neuronal disorder; stromal disorder; blastocoelic disoriflammatory disorder; immune disorder; angiogenic disorder; cyto
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          08-MAR-1999;
                                                                                                                                                                                                                                              Ashkenazi
                                                                                                                                                                                                                                                                                                                                                                                                            30-NOV-1999;
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Pan J, F
Wood WI;
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99US-0145698P.
99US-0146222P.
99US-0149395P.
99US-0151689P.
99WO-US020111.
99WO-US021190.
99WO-US028301.
99WO-US028301.
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99US-0140650P.
99US-0140653P.
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                                                                                                                                                                                                                      Godowski PJ,
RM, Roy MA,
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Smith
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Thirty five nucleic acids encoding PRO polypeptides, useful f benign or malignant tumors, leukemias and lymphoid malignanci inflammatory, angiogenic and immunologic disorders.

for treating

Claim 61; Fig 48; 302pp; English

XSSSSSSSSSXXX

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ADJ37329
ID ADJ37329
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Best Local
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                                                                                                                                                                                               cytostatic; gene therapy; PRO; PRO197; PRO207; PRO226; PRO232; PRO243; PRO256; PRO269; PRO274; PRO304; PRO339; PRO1558; PRO779; PRO1185; PRO1759; PRO5775; PRO5713; PRO7168; PRO5725; PRO202; PRO206; PRO264; PRO313; PRO342; PRO542; PRO773; PRO961; PRO1216; PRO1686; PRO1800; PRO3562; PRO5980; PRO4316; PRO4980; cancer; tumour; neoplastic cell growth; neoplastic cell proliferation; carcinoma; lymphoma; blastoma; sarcoma; leukaemia.
  31-AUG-1999;
                                       02-AUG-2002; 2002US-00211858
                                                                                 13-NOV-2003
                                                                                                                        US2003211096-A1
                                                                                                                                                                                                                                                                                                                                                              Human tumour therapy associated PRO342
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  99US-0151689P
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96.8%;
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Pred. No. 1.1e-189;
2; Mismatches 2;
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CC has at least least 104 mino acid sequence identity to: (1) any one of 15 fully certification, with or without its associated glesignated P1-P35, given in the Expecification, with or without its associated signal peptide; (2) an CC extracellular domain of any one of the polypeptides of P1-P35, with or CC without its associated signal peptide; or (3) an amino acid sequence CC encoded by the full-length coding sequence for Encoded by the full-length coding sequence, 209397, 209786, 209394, 209379, 209397, 209786, 209482, 209490, 203312, 55820, 209306, 209379, CC 209397, 209786, 209482, 209490, 203312, 55820, 209508, 209379, CC 209397, 209786, 209482, 209490, 203312, 55820, 209508, 209379, CC 209397, 209786, 209482, 209490, 203312, 55820, 203096, 203155, 203465, CC 20397, 209786, 209482, 209490, 203312, 55820, 203096, 203155, 203465, CC 20397, 209786, 209482, 209490, 203312, 55820, 203096, 203155, 203465, CC 20397, 209786, 209319, CL 203978, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209379, 209786, 209797, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209799, 209786, 209789, 209786, 209799, 209786, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209789, 209
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                New isolated PRO polypeptides, useful as targets for the diagnosis, prevention and treatment of cancers, e.g. lymphoma, blastoma, sarco leukemia, and as predictors of the prognosis of tumor treatment.
                                                      Sequence 504
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Claim
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N-PSDB; ADJ37328.
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09-AUG-2001; 2001US-00927796.
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                                                                                                                the treatment of cancers.
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Pan J, Pitti
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i RM, Roy MA,
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entity to: (1) any one of 35 fully
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Smith V,
Length 504;
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                                                                                                                                                                                                         HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
                                                                                                                                                                                          HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
KEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRG
                         VNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSRAWCSH
                                                                                               VNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSRAWCSH
                                                                                                                                    AVLASLLVLLALLLAALLYVKCRLNVLLWYQDAYGEVEINDGKLYDAYVSYSDCPEDRKF
                                                                                                                                                                                                                                               MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGG
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96.8%;
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Pred. No. 1.1e-189;
2; Mismatches 2;
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                                                                                                                                                                          The invention relates to an isolated antibody that binds to a PRO polypeptide. The methods and compositions of the present invention are useful for diagnosing, prognosticating and/or treating neoplastic tumours, such as lung, colon, breast, prostate, rectal, cervical and liver tumours. The PRO polypeptides are also useful as molecular weight markers, or for chromosome identification. The PRO genes are useful as hybridisation probes, or for screening libraries of Human CDNA, genomic DNA or mRNA. The PRO genes may also be used in gene therapy, particularly for replacing a defective gene. The present sequence is used in the exemplification of the invention.
                                                                                                                                                                                                                                                                                                                                                                                 Ashkenazi AJ,
Marsters SA,
Watanabe CK,
                                                                                                                                                                                                                                                                                                            New isolated antibodies binding PRO polypeptides, useful for diagnosing, prognosticating and/or treating neoplastic tumors, such as lung, colon, breast, prostate, rectal, cervical and liver tumors.
                                                                                                                                                                                                                                                                                                                                                                                                                                           31-AUG-1999; 99US-0151689P.
11-FEB-2000; 2000WO-US003565.
09-AUG-2001; 2001US-00927796.
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N-PSDB; ADG68252.
                                                                                                                                                            Sequence 504 AA;
                                                                                                                                                                                                                                                                                         Claim 61; SEQ ID NO 48; 308pp; English
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  02-AUG-2002; 2002US-00210951.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         neoplastic tumour; lung; colon;
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AVLASLLVLLALLLAALLYVKCRLNVLLWYQDAYGEVEINDGKLYDAYVSYSDCPEDRKF
                                                  HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
                                                                                          MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGG
                                                                              MPGVCDRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGG
                                       HYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVA
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96.8%;
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                                                                                                                    Score 1876; DB 8;
Pred. No. 1.1e-189;
2; Mismatches 2;
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Smith
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11-JUL-2000;
14-JUL-2000;
26-JUL-2000;
26-JUL-2000;
14-AUG-2000;
14-AUG-2000;
14-AUG-2000;
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14-AUG-2000;
14-AUG-2000;
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16-MAR-2000;
17-MAR-2000;
18-APR-2000;
19-MAY-2000;
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immune system disorder; rheumatoid arthritis; inflammatory condition; organ transplant rejection; infection; hepatitis C; blood disorder; sickle cell anaemia; hyperproliferative disorder; Gaucher's disease; neurodegenerative disorder; Alzheimer's disease; Parkinson's disease; chromosomal abnormality; Down syndrome; ischaemia; renal disorder; cardiovascular; respiratory; wound healing; endocrine; Addison's disease; reproductive system; gastrointestinal; liver disorder; AIDS;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      17-JAN-2001; 2001WO-US001312
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     Neuroprotective; cytostatic; dermatological; immunosuppressive; tumour; antiinflammatory; anti-HIV; antibacterial; antiinflammatory; cancer;
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2000US-0179065P.
2000US-0184664P.
2000US-0184654P.
2000US-0184350P.
2000US-019874P.
2000US-0199076P.
2000US-0198123P.
2000US-0214886P.
2000US-021648P.
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2000US-021649P.
2000US-0217487P.
2000US-0217487P.
2000US-0218290P.
2000US-0218290P.
2000US-02274518P.
2000US-0225118P.
2000US-0225214P.
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2000US-0225266P.
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1-AUG-2000; 1-AUG-2000; 1-AUG-2000; 3-AUG-2000; 3-AUG-2000; 2-AUG-2000; 3-AUG-2000; 3-AUG-2000; 3-AUG-2000; 3-AUG-2000;

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The invention relates to novel isolated polypeptides (I), and CC polynucleotides (II). (I), (II) and the antibody to (I) are useful for CC disorders (e.g. congenital and acquired immunodeficiencies, autoimmune CC disorders (e.g. congenital and acquired immunodeficiencies, autoimmune CC transplant rejections and graft versus host disease, infectious diseases (e.g. hepatitis C), bleeding disorders, haemoglobin abnormalities and CC (e.g. hepatitis C), bleeding disorders, haemoglobin abnormalities and CC (e.g. Gaucher's disease and cancer), neurodegenerative disorders (e.g. Gaucher's disease, parkinson's disease), chromosomal abnormalities and CC (e.g. Gaucher's disease, parkinson's disease), chromosomal abnormalities (e.g. CC (e.g. Gaucher's disease), rarkinson's disease), renal disorders (e.g. CC (e.g. Gaucher's disease), cardiovascular disorders (e.g. arrhythmia), CC respiratory disorders, dermatological disorders (e.g. arrhythmia), CC respiratory disorders, dermatological disorders (e.g. Addison's Gisease), reproductive system disorders, gastrointestinal disorder (inflammatory disorders), liver disorders (e.g. Addison's Gisease), reproductive system disorders (cirrhosis), as stimulators of B-cell responsiveness to pathogens, activators of T-cells, to induce in pathologies e.g. acquired immune deficiency syndrome (AIDS). AU17059-CC AAU17683 represent novel signal transduction pathway protein, amino acid CC sequences of the invention
            08-NOV-2000
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prognosing disorders related to the proteins,
disorders and neuronal disorders.
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N-PSDB; AAS27325.
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Query Match Best Local Matches 34	Query Match 82.0%; Score 1761; DB 4; Length 407; Best Local Similarity 100.0%; Pred. No. 1.3e-177; Matches 341; Conservative 0; Mismatches 0; Indels _0; Gaps 0;
ş	70 VKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVAAVLASLLVL 129
ф	67 VKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVAAVLASLLVL 126
ş	130 LALLLAALLYVKCRLNVLLWYQDAYGEVBINDGKLYDAYVSYSDCPEDRKFVNFILKPQL 189
B	127 LALLLAALLYVKCRLNVLLWYQDAYGEVBINDGKLYDAYVSYSDCPEDRKFVNFILKPQL 186
Q	190 ERRRGYKLFIDDRDLLFRAEDSADLLVNLSRCRRLIVVLSDAFLSRAWCSHSFREGLCRL 249
망	187 ERRRGYKLFLDDRDLLPRAEDSADLLVNLSRCRRLIVVLSDAFLSRAWCSHSFREGLCRL 246
ş	250 LELTRRPIFITFEGORRDPAHPALRLLRQHRHLVTLLLMRPGSVTPSSDFWKEVQLALPR 309
DЬ	247 LEUTRRPIFITFEGORRDPAHPALRULROHRHLVTULLWRPGSVTPSSDFWKEVQLALPR 306
Ş	310 KVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRGPVFGEPSAP 369
90	307 KVRYRPVEGDPQTQLQDDKDPMLILRGRVPEGRALDSEVDPDPEGDLGVRGPVFGEPSAP 366
ş	370 PHTSGVSLGESRSSEVDVSDLGSRNYSARTDFYCLVSKDDM 410
₽	367 PHTSGVSLGESRSSEVDVSDLGSRNYSARTDFYCLVSKDDM 407
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Copyright (c) 1993 - 2005 Compugen Ltd.
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A;Status: preliminary
A;Molecule type: mRNA
A;Molecule type: mRNA
A;Residues: 1-570 - GGRES
A;Cross-references: UNIPROT:Q61730; GB:X85999; NID:g887520; PIDN:CAA59991.1; PID:g88752
C;Superfamily: interleukin-1 receptor type I
C;Keywords: transmembrane protein

C;Accession: A57535
R;Greenfeder, S.A.; Nunes, P.; Kwee, L.; Labow, M.; Chizzonite, R.A.; Ju, G. J. Biol. Chem. 270, 13757-13765, 1995
A;Title: Molecular cloning and characterization o a second subunit of the interleukin A;Reference number: A57535; MUID:95293970; PMID:7775431
A;Accession: A57535

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intrleukin 1 receptor accessory protein precursor - mouse C;Species: Mus musculus (house mouse) C;Datc: 08-Peb-1996 #sequence_revision 08-Feb-1996 #text_change 09-Jul-2004

ALIGNMENTS

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RESULT 2 A36187 interleukin C;Species:												•	Best Loca Matches
RESULT 2 A36187 interleukin-1 receptor type I precursor - human C.Species: Homo sapiens (man) C.Species: Homo sapiens (man)	529 EKSKYPQGRFWKQLQVAMPVKKSPRWSSNDKQ 560	290 PGSVTPSSDEWKEVQLALPRKVRYRPVEGDPQ 321	474LQGTQALLELKAGLENMASRGNINVILVQYKAVKDMKVKELKRAKTVLTVIKWKG 528	238 CSHSFREGLCRLLELTRRPIFITFEGQRRDPAHPALRLLRQHRHLVTLLLHR- 289	418 EEFVLITLRGVLENEFGYKLCIFDRDSLPGGIVTDETLSFIQKSRRLLVVLSPNYV 473	178 RKFVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSRAW 237	360 LACGFGATVFLVVVLIVVYHVYWLEMVLFYRAHFGTDETILDGKEYDIYVSYARNVEE 417	AALLYVKCRLA	300 ESVSYSSTEDETRTQILSIKKVTPEDLRRNYVCHARNTKGEAEQAAKVKQKVIPPRYTVE 359	66 EYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSH 118	243 PQIYSPNDRVVYEKEPGEELVIPCKVYFSFIMDSHNEVWWTIDGKKPDDVTVDITIN 299	9 PDFLSPSEDQVLRPALGSSVALNCTAWYVSGPHCSLPSVQWLKDG-LPLGIGGHYSLH 65	Best Local Similarity 25.6%; Pred. No. 4.9e-10; Matches 85; Conservative 61; Mismatches 153; Indels 33; Gaps 10;

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interleukin-1 receptor-related protein - hu
C;Species: Homo sapiens (man)
C;Date: 21-Dec-1996 #sequence_revision 06-J
C;Accession: G02426
R;Lovenberg, T.W.; Crowe, P.D.; Liu, C.; Ch
submitted to the EMBL Data Library, Februar
A;Reference number: H01239
A;Accession: G02426
A;Status: preliminary; translated from GB/E
A;Molecule type: mRNA
A;Residues: 1-562 <LOV>
C;Superfamily: interleukin-1 receptor type
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A;Title: Cloning the interleukin 1 receptor from human T cells.
A;Reference number: A36187; MUID:90046906; PMID:2530587
A;Accession: A36187
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A; Residues: 1-569 <SIM>
A; Cross-reference
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Nucleic Acids Res. 17, 10114, 1989
A;Title: Sequence of the cDNA for the human fibroblast type interleukin-1 receptor.
A;Reference number: S06928; MUID:90098789; PMID:2532321
A;Accession: S06928
A;Status: translation not shown
A;Molecule type: mRNA
A;Molecule type: mRNA
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                                                                       Cross-references: EMBL:U49065; NID:g1236078; PIDN:AAB53237.1; PID:g1236079
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Pred. No. 1.6
Pred. No. 4.5e-09;
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February 1996
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                                                                                                                                                                                                      D.T.; Liu,
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               Length
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     C;Superfamily: interleukin-1 receptor type I
C;Keywords: cytokine receptor; glycoprotein; phosphoprotein;
F;1-19/Domain: signal sequence #status predicted <SIG>
F;20-576/Product: interleukin-1 receptor #status predicted <TMM>
F;339-359/Domain: transmembrane #status predicted <TMM>
F;46-99,145-199,251-315/Disulfide bonds: #status predicted
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                  h 8.9%; Score 190.5; DB 2; Similarity 24.0%; Pred. No. 6.3e-08;
 --ICWSGDFQERPQSA--KTRFWKNLRYQMPAQRRSPLSKHRLLTLDP---VRDTKEKL
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interleukin-1 receptor precursor - mouse
C;Species: Mus musculus (house mouse)
C;Date: 31-Mar-1990 #sequence_revision 31-Mar-1990 #text_change 09-Jul-2004
C;Accession: A32604
R;Sims, J.E.; March, C.J.; Cosman, D.; Widmer, M.B.; MacDonald, H.R.; McMah
S.K.
                                           A;Accession: A32604
A;Molecule type: mRNA
A;Residues: 1-576 <SIN'
A;Cross-references: UNIPROT:P13504; GB:M20658; GB:M29752; NID:g198300;
                                                                                                                                                 Science 241, 585-589, 1988
A; Title: cDNA expression cloning of the IL-1 receptor, A; Reference number: A32604; MUID:88290679; PMID:2969618
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             57 GIGGHYSLHEYSWVKANLSEVLVSSVLGVNVTSTEV----YG-AFTCSIQNISFSSFTLQ
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             KOKHGAIR----WH-GDFTEQSQCMKTKFWKTVRYHMPPR-RCRP
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340 YLIGGFIILTATIVCCVCIYKVFKVDIVLWYRDSCSGFLPSKASDGKTYDAYILYPKTLG 280 DYOFVEHPSTKRKYTLITTLNISEVKSQFYRYPFICVVKNTNIFESAHVOLIYPVPDFKN 66 EYSWVK--ANLSEVLVSSVLGVNVTSTEVYG-AFTCSIQNIS-FSSFTLQRAGPTSHVAA LVRDMGGFSWLGQSSEEQIAIYNALIQEGIKIVLLELEKIQDYEKMPDSIQFIKQ-KHGV EGSFSDLD---TFVFKLLPEVLEGQFGYKLFIYGRDDYVGEDTIEVTNENVKKSRRLIII --SYSDCPEDRKFVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVV VLASLLVIL--ALLLAALLYVKCRLNVILWYQDA---YGEVEINDGKLYDAYV-----DR-PVILSP-RNETIEADPGSMIQLICN---VTGQFSDL--VYWKWNGSSIEWNDPFLAE DRAPDFLSPSEDOVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGGHYSLH LSDAFLSRAWCSHSFREGLCRLLELTRRPIFITF---Conservative RPGSVTPSSDFWKEVQLALPRKVR-----YRPVEGDPQTQLQDDKDPM 331 71; Mismatches 151; -EGORRDPAHPALRLLROHRHLV Indels 51; 567 456 399 339 121 65 515 283 169 279

Length 576;

(Asn) (covalent)

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A;Gene: ST2
A;Map position: 1
A;Map position: 1
A;Map position: 1
A;Map position: 1
A;Introns: 27/1; 97/2; 155/3; 210/1; 233/1; 280/2
C;Superfamily: interleukin-1 receptor type I
C;Keywords: glycoprotein
F;1-26/Domain: signal sequence #status predicted of F;27-337/Product: ST2 protein #status predicted of F;60,101,107,146,176,194,225,259,278/Binding site
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A/Accession: S07054
A/Molecule type: mRNA
A/Residues: 1-328, 'SKECPSHIA' <TO2>
A/CO88-references: EMBL:Y07519; NID:g55517; PIDN:CAA68812.1; A/NOte: it is uncertain whether Met-1, Met-7 or Met-19 is the C.Genetics:
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A;Molecule type: mRNA
A;Residues: 1-191,'V',193-328,'SKECPSHIA' <KLE>
A;Residues: 1-191,'V',193-328,'NID:9201103; PIDN:AAA40160.1; PID:9201104
A;Cross-references: GB.M24843; NID:9201103; PIDN:AAA40160.1; PID:9201104
R;Tominaga, S.I.; Jenkins, N.A.; Gilbert, D.J.; Copeland, N.G.; Tetsuka, T.
Blochim. Biophys. Acta 1090, 1-8, 1991
Blochim. Biophys. Acta 1090, 1-8, 1991
A;Title: Molecular cloning of the murine ST2 gene. Characterization and chromosomal mapp
A;Reference number: S17657; MUID:91355215; PMID:1832015
A;Accession: S17657
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  A/Status: translation not shown
A;Molecule type: DNA
A;Residues: 1-191,'V',193-328,'SKECPSHIA' <TOM>
A;Cross-references: EMBL:X60184; NID:g54200; PIDN:CAA42742.1;
R;Tominaga, S.I.
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Proc. Natl. Acad. Sci. U.S.A. 86, 5708-5712, 1989
A;Title: Serum- and oncoprotein-mediated induction of a gene with sequence simi A;Reference number: A33541; MUID:89345536; PMID:2527364
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C;Date: 13-Jan-1995 #sequence revision 13-Jan-1995 #text_change 09-Jul-2004
C;Accession: S29498; A33541; S17657; S07054
R;Yanagisawa, K.; Takagi, T.; Tsukamoto, T.; Tetsuka, T.; Tominaga, S.
FEBS Lett. 318, 83-87, 1993
A;Title: Presence of a novel primary response gene ST2L, encoding a product A;Reference number: S29498; MUID:93170492; PMID:7916701
A;Accession: S29498
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A; Residues: 1-567 < YAN>
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Best Local S
Matches 82
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;1-26/Domain: signal sequence #status predicted <SIG>
;27-337/Product: ST2 protein #status predicted <MAT>
;60,101,107,146,176,194,225,259,278/Binding site: carbohydrate (Asn)
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AAGTHSVEYFVHHTLPDVLENKCGYKLCIYGRDLLPGQDAATVVESSIQNSRRQVFVLAP
                                                                                                                                                                      AVLASLLVLLALLLAALLYVKC-RLNVLLWYQDAYGEVEI-NDGKLYDAYVSY-----
                                                                                                                                                                                                                                                                                                                                                                                                       PDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGGHYSLHEYS
                                 -SDCPEDRKFYNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSD 230
                                                                                                                   YIVAGCSLLLMFINVLVIVLKVFWIEVALFWRDIVTPYKTRNDGKLYDAYIIYPRVFRGS
                                                                                                                                                                                                                                   GRNESSSNDMDCLTSVLRITGVTEKDLSLEYDCLALNLHGMIRHTIRLRRKQPIDHRSIY
                                                                                                                                                                                                                                                                                      WVKANLSEVL--VSSVLGV-NVTSTEV---YGAFTCSIQNISFSSFTLQRAGPTSH--VA
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interleukin-1 receptor I precursor - chicken (,Species: Gallus gallus (chicken) (,Species: Gallus gallus (chicken) (,Chate: 17-Aug-1992 #sequence_revision 17-Aug-1992 #text_change 09-Jul-2004 (,Accession: JQ1526 R;Guida, S.; Heguy, A.; Melli, M. Gene 111, 239-243, 1992 A;Fitle: The chicken II-1 receptor: differential evolution of the cytoplasm: A;Feference number: JQ1526; MUID:92175529; EMID:1531799 A;Accession: JQ1526
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A; Residues: 1-555 < GUI>
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                                  PIFITEGORROPAHPALRLL----ROHRHLVTLLLWRPGSVTPSSDFWKEVQLALPRK 310
                                                                                EKIHQSRRVIIILVPEPSCYGILEDASEKHL-
                                                                                                                      VNLSRCRRLIVVL----
                                                                                                                                                             YDAYVLY---PKNRESCLYSSDIFALKILPEVLERQCGYNLFIFGRNDL-AGEAVIDVTD 443
                                                                                                                                                                                                                                                  LEHPVQNIRGYLIGGGISLIFLLFLIL--IVYKIFKIDIVLWYRSSCHPLLGKKVSDGKI
                                                                                                                                                                                                                                                                                         RAGPTSHVAAVL----ASLLVLLALLLAALLYVKCRLNVLLWYQDAYGEV---BINDGKL
                                                                                                                                                                                                                                                                                                                                                                           GLPLGIGGHYSLHEYSWVKANLSEVLVSSVLGVNVTSTEVYGAFTCSI-QNISFSSFTLQ 111
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  IQGTIKWREDHVADKQSLSSKFWKHVRYQMP 541
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PESIKYVKQK----YGAIRWTGDFSERSH--
                                                                                                                                                                                                      YDAYVSYSDCPEDRK-----
                                                                                                                                                                                                                                                                                                                                  GMPHGIA--
                                                                                                                                                                                                                                                                                                                                                                                                                    PEFIYPN-NNTIEVELGSHVVMECN--VSSGVYGLLPYWQVNDEDVDSFDSTYREQFYEE
                                                                                                                                                                                                                                                                                                                                                                                                                                                       PDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLP----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Conservative
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     8.6%; Score 184; DB 2; 25.0%; Pred. No. 2.1e-07;
                                                                                                                                                                                                                                                                                                                                  -VSGTKFNISEVKLKDY----
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    65; Mismatches
                                                                                                                                                                                                      FVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLL-
                                                                                                                    SDAFLSRAWCSHSFREGL-CRLLELTR----R
                                                                                -AVYNALIQDGIKIILIELEKIEDYANM
                                                                                                                                                                                                                                                                                                                                  ----AYKFFCHFİYDSQEFTSY-IK
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  101;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       Length 555;
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-SASTRFWKKVRYHMPSR 543
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             PIDN:AAA48924.1;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    104;
                                                                                                                                                                                                                                                                                                                                                                                                                                                           ---SVQWLKD 52
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   cytoplasmic
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RESULT 7
A29943
C;Species: Drosophila melanogaster
C;Species: Drosophila melanogaster
C;Species: Drosophila melanogaster
C;Date: 19-Nov-1988 #sequence_revision 19-Nov-1988 #text_change 09
C;Accession: A29943
R;Hashimoto, C:; Hudson, K.L.; Anderson, K.V.
Cell 52, 269-279, 1988
A;Title: The Toll gene of Drosophila, required for dorsal-ventral
A;Reference number: A29943; MUID:88135760; PMID:2449285
A;Accession: A29943;

09-Jul-2004

embryonic

polarity,

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interleukin 1 receptor type I - rat
C;Species: Rattus norvegicus (Norway rat)
C;Date: 26-Jul-1996 #sequence_revision 26-Jul-1996 #text_chang
C;Date: 26-Jul-1996 #sequence_revision 26-Jul-1996 #text_chang
C;Accession: 156526
R;Hart, R.P.; Liu, C.; Shadiack, A.M.; McCormack, R.J.; Jonaka.
J. Neuroimmunol. 44, 49-56, 1993
A;Title: An mRNA homologous to interleukin-1 receptor type I i.
A;Reference number: 156526; MUID:93266794; PMID:7684399
A;Accession: 156526
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Residues: 1-590 <RES>
A;Residues: 1-590 <RES>
A;Cross-references: GBLM95578; NID:9451305; PIDN:AAA16196.1; P.
C;Superfamily: interleukin-1 receptor type I
C;Keywords: cytokine receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         A;Cross-references: UNIPROT:P08953; GB:M19969; GB:J02682; NID:g158640; PIDN:AAA28941.1; C;GenetLcs:
A;Gene: F1yBase:T1
A;Cross-references: F1yBase:FBgn0003717
C;Keywords: transmembrane protein
F;1-17/Domain: signal sequence #status predicted <SIG>F;18-1097/Product: Toll protein #status predicted <MAT>
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Best Local S
Matches 88
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Best Local S
Matches 70
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;1-17/Domain: signal sequence #status predicted
;18-1097/Product: Toll protein #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                               Cross-references: GB:M95578; NID:g451305; PIDN:AAA16196.1; PID:g451306 Superfamily: interleukin-1 receptor type I
                                                                                                                                     345
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                                                                                                                                                                                                              294 DYOFLEHPSAKRKYTLITT-LNVSEVKSQFYRYPFICFVKNTHILE--
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           121 AVLASLLVLLALLLAALLY-----VKCRL---NVLLWYQDAYGEVEINDGKLYDAYVSYS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 70;
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RRLIVVLSDAFLSRAWCSHS-----FREGL-CRLLEL-----TRRPIFITFEG
                                                                                                                                                                                                                                                                                        DR-PVIMSP-RNETMEADPGSTIQLICN---VTGQFTDL--VYWKWNGSEIEWDDPILAE
                                                                                                                                                                                                                                                                                                                        DRAPDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDGLPLGIGGHYSLH
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               ALIKTALKGSTDDKLELIKP---SPVTPPLTT
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         TYLKW-----GDPWFWDKLRFALPHR---RPV---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             TLLLWRPGSVTPSSD--FWKEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLILRGRVPEG
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            H--KDQSFIEDYLVPQLEHGPQKFQLCVHERDWLVGGHIPENIMRSVADSRRTIIVLSQN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                DCPEDRKFVNFILKPQLER-RRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      AVVIALTGLLAGFTAALYYKFQTEIKIWLYAHNLLLWF----VTEEDLDKDKKFDAFISYS
                                                           YVLYPKTYGEGSPAYLDTFVFKLLPEVLEGQFGYKLFICGRDDYVGEDTIEVTNENVKRS
                                                                                             YVSYSDCPEDRKFV---NFILK--PQ-LERRRGYKLFLDDRDLLPRAEPSADLLVNLSRC
                                                                                                                                     VYPVPDFKNYLIGGFAIFTATAVFCACIYKVFKVDIVLWYRDSCSDFLPRKASDGRTYDA
                                                                                                                                                                                                                                                    EYSWVK---ANLSEVLVSSVLGVNVTSTEVYG-AFTCSIQNISFSSFTLQRAGPTSHVAA
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   RALDSEVDPDPEGDLGVRGPVFGEPSAPPHTS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  FIKSEWARLEFRAAHRSALNEGRSRIIVIIYSDI---GDVEKLDEE-----LKAYLKMN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FLSRAWC6HSFR-----EGLCRLLELTRRPIFITFEGQRRDPAHPALRLLRQHRHLV
                                                                                                                                                                       VLA-----SLLVLLALLLAALLYVKC-----RLNVLLWYQDAYGEV---EINDGKLYDA
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                                                                                                                                                                                                                                                                                                                                                                      Conservative
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Pred. No. 2.3e-06;
                                                                                                                                                                                                                                                                                                                                                                                   Score 168.5; DB 2;
Pred. No. 4.5e-06;
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                                                                                                                                                                                                                                                                                                                                                                      Mismatches
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R.Bergers, G.; Reikers. 1994

R.Burgers, G.; Reikers. 1994

EMBO J. 13, 1176-1188, 1994

A; Title: Alternative promoter usage of the A; Title: Alternative S42632; MUID:94178260;
                                                                                                                                                                                                                                                                    A;Accession: T13887
A;Status: preliminary; translated
A;Status: mRNA
A;Residues: 1-1385 <CHI>A;Cross-references: UNIPROT:Q24591
                                                                                                                                                                                                                                                                                                                                                                                                                                  tir protein - fruit fly (Drosophila melanogaster)
C;Species: Drosophila melanogaster
C;Date: 20-Sep-1999 #sequence_revision 20-Sep-199:
C;Accession: T13887
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  C;Species: Rattus norvegicus (Norway rat)
C;Date: 25-Dec-1994 #sequence_revision 10-Nov-1995
C;Accession: S42633
                                                                                                                                                                                                                                                                                                                                                               R;Chiang, C.; Beachy, P.A.
Mech. Dev. 47, 225-239, 1994
A;Title: Expression of a novel Toll-like gene spans the parasegment
A;Reference number: Z17805; MUID:95151581; PMID:7848870
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Fit-1M protein - rat
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A;Molecule type: mRNA
A;Residues: 1-247 <BEF
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Best Local 9
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Best Local Similarity
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1034 CEPRFEDAGKLYDAIILHSE--KDYEFVCRNIAAELEHGRPPFRLCIQQRDLPPQAS-HL
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                218 LSRCRRLIVVLSDAFLSRAWCSHSFREGL-CRLLELTRRPIFITFEGQRRDPAHPALRL-
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       166 DAYVSY-----SDCPEDRKFVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVN
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                                                                                                        99 SIQNISESSETLQRAGPTSHVAAVLASLLVLLALLLAALLYVKCRLNVLLWYQDAYG---
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           3 LRRKQPIDHQSTYYIVAGCSLLLMFINVLVIVLKVFWIEVALFWRDIMAPYKTQNDGKLY
                                                                                                                                                           Similarity
                        -BVEIND-GKLYDAYVSYSDCPEDRKFVNFILKPQLER-RRGYKLFLDDRDLLPRAEPSA
                                                                    SASNISSSQ---DLAG--GYRLPLLAAVLVLIFLDVVLIIVEVERESVRMWLFAHYGVRV
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         <BER>
                                                                                                                                                                                                                                                                      UNIPROT: Q24591; EMBL: S76155;
                                                                                                                                                             6.7%;
26.1%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 7.6%; Score 163; DB 2;
28.1%; Pred. No. 4.4e-06;
ative 39; Mismatches 95
                                                                                                                                              44;
                                                                                                                                          Score 144.5; DB Pred. No. 0.0014; 4; Mismatches 10
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                                                                                                                                                                           DB 2;
                                                                                                                                              104;
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type I interleukin-1 receptor - rat (fragment)
C;Species: Rattus sp. (rat)
C;Date: 12-Aug-1996 #sequence_revision 12-Aug-1996 #text_ch
C;Accession: I51903
R;Sutherland, D.B:; Varilek, G.W.; Neil, G.A.
Am. J. Physiol. 266, Cl198-Cl203, 1994
A;Title: Identification and characterization of the rat int
A;Reference number: I51903; MUID:94262728; PMID:8203483
A;Accession: I51903
A;Accession: I51903
A;Accession: I51903
A;Status: preliminary; translated from GB/EMBL/DDBJ
A;Molecule type: mRNA
A;Residues: 1-169 <RES>
A;Cross-references: GB:S70238; NID:9546976
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C;Gene(LGs:
A;Gene: wheeler
A;Cross-references: FlyBase:FBgn0004364
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A; Residues: 1-1389 <ELD>
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Best Local
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66; Conserv
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      SEVLVSSVLGVNVTSTEVYGAFTCSIQNISFSSFTLQRAGPTSHVAAVLASLLVLLALLL 134
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  QLVEGARASRKIILVLTRNLLATEWNRIEFRNAFHESLRGLAQKLVIIEETSVSAEAEDV 1150
                                                                                                                                                                                                                                                                                                                                                                                                                                     SDFWKEVQLALPRKV--RYRPVEGDPQTQLQDDKDPMLILRGRVP 339
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                VLIIVFVFRESVRMWLFAHYGVRVCEPRFEDAGKLYDAIILHSE--KDYEFVCRNIAAEL 1067
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23.2%;
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24 LGSSVALNCTAWVVSGPHCSLPSVQWLK----DGLPLGIGGHYSLHEYSWVKANLSEVLV 79

VGSDVELLCKVYSDAQPH----IQWLKHVVINGSSFGADGFPYVQVLKTTDINISEV--

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RESULT 13
$18209
$18209
fibroblast growth factor receptor 4 precursor (closely contains)
N;Alternate names: tyrosine kinase Mpk-11
N;Contains: protein-tyrosine kinase (EC 2.7.1.112)
                                                                                                                                                          F;162-223/Domain: immunoglobulin homology <IMM>
F;367-387/Domain: transmembrane #status predicted <IMM>
F;368-799/Domain: intracellular #status predicted <INM>
F;388-799/Domain: intracellular #status predicted <INM>
F;462-747/Domain: protein kinase homology <KIN>
F;470-478/Region: protein kinase ATP-binding motif
F;54-98,169-221,268-330/Disulfide bonds: #status predicted
F;500,517,609/Active site: Lys, Glu, Asp #status predicted
                                                                                                                                                                                                                                                                                                                                                                                                                                                        A;Residues: 611-667 (GIL-A;Residues: 611-667 (GIL-A;Residues: 611-667 (GIL-A;Residues: 611-667) (GIL-A;Residues: 611-667) (GIL-A;Residues: 611-667) (Gill-A;Residues: 611-667) (Gill-A;
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A;Cross-references: EMBL.X59927; NID:g50968; PIDN:CAA42551.1; PID:g50969
R;Gilardi-Hebenstreit, P.; Nieto, M.A.; Frain, M.; Mattei, M.G.; Chestier, Oncogene 7, 2499-2506, 1992
A;Title: An Eph-related receptor protein tyrosine kinase gene segmentally A;Reference number: S30496; MUID:93096484; PMID:1281307
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Development 113, 641-651, 1991
A;Title: FGER-4, a new member of the fibroblast growth
A;Reference number: S18209; MUID:92146274; PMID:1723680
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C;Date: 07-Oct-1994 #sequence revision 07-Oct-1994
C;Accession: S18209; S26751; S30497
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               A; Molecule type: mRNA
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A;Residues: 1-799 <STAl>
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    Matches
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    103;
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    Conservative
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28.1%;
                                       5.7%; Score 123; DB 2
22.1%; Pred. No. 0.044;
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45;
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Pred. No. 0.0021;
""matches 76;
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                                                                                   DB 2;
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    136;
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182;
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Toll protein-like receptor DKFZp54710610.1 - human C.Species: Homo sapiens (man) C.Species: Homo sapiens (man) C.Date: 11-Jun-1999 #sequence_revision 11-Jun-1999 #text_change 09-Jul-2004 C;Accession: T08664 R.Poustka, A.; Klein, M.; Mewes, H.W.; Gassenhuber, J.; Wiemann, S. submitted to the Protein Sequence Database, May 1999 A;Reference number: Z16466 A;Accession: T08664
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    R;Hultmark, D.
Biochem. Biophys. Res. Commun. 199, 144-146, 1994
A;Title: Macrophage differentiation marker MyD88 is a member of the Toll/IL-1 receptor
A;Reference number: JC2079; MUID:94168566; PMID:8123006
A;Contents: annotation
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  RESULT 14
$11226
$11226
MyD88 protein - mouse
C;Species: Mus musculus (house mouse)
C;Species: Mus musculus (house mouse)
C;Date: 18-Feb-1994 #sequence_revision 10-Nov-1995 #text_change 05-Nov-1999
C;Accession: $11226; UC2079
R;Lord, K.A.; Hoffman-Liebermann, B.; Liebermann, D.A.
Oncogene 5, 1095-1097, 1990
A;Title: Nucleotide sequence and expression of a cDNA encoding MyD88, a nove A;Reference number: $11226; MUID:90326414; PMID:2374694
A;Accession: $11226
                                                                                                                                                                                RESULT
T08664
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A; Residues: 1-243 < LOR>
A; Cross-references: EMB
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Best Local S
Matches 33
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                                                                                                                                                                                                                                                                      162
                                                                                                                                                                                                                                                                                                                                                     106 ELFDAFICY -- CPNDIEFVQEMIRQLEQTDYRLKLCVSDRDVLPGTCVWSIASELIE--K 161
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A; Molecule type: mRNA
A; Residues: 1-786 < POLY
A; Cross-references: UNIPROT:Q15399; EMBL:AL050262
A; Experimental source: fetal brain; clone DKFZp54710610
C; Genetics:
A; Note: DKFZp54710610.1
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                                                                                                                                   695 FYLSPNFYQSEWCHYELYFAHHNLFHEGSNSLILILLEPI----PQYSIPSSYHKLKSL
                                                                                                                                                                   226 VVLSDAFLSRAWCSHS-----FREGLCRLLELTRRPIFITFEGQRRDP-AHPALRLL
                                                                                                                                                                                                   638 HAFISYSG--HDSFWVKNELLPNLE-KEGMOICLHERNFVPGKSIVENIITCIEKSYKSI
                                                                                                                                                                                                                                    166 DAYVSYSDCPEDRKFVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLI
                                                                                                                                                                                                                                                                      583 IVTIVATMLVLAVTVTSLCIYLD-----LPWYLRMVCQWTQTRRRARNIPLEELQRNLQF
                                                                                                                                                                                                                                                                                                        119 VAAVLASLIVLLALLLAALLYVKCRLNVLLWYQDAYGE------
                                                                                                                                                                                                                                                                                                                                         49;
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                                                                 MARR---TYLEW-PKEKSKRGLFWANLRAAINIKL
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Maximum Match 100%
Listing first 45 summaries
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1 MPGVCDRAPDFLSPSEDQVL.....GSRNYSARTDFYCLVSKDDM
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Copyright (c) 1993 - 2005 Compugen Ltd.
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InterPro; IPR004075; IL1 receptor1.
InterPro; IPR004075; IL1 receptor1.
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Genome Res. 13:2265-2270(2003).
EMBL; AY358342; AAQ88708.1; -.
GO; GO:0016020; C:membrane; IEA.
GO; GO:004888; F:transmembrane receptor activ Interpro; IPR007110; Ig-like.
Interpro; IPR004075; III_receptor1.
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                                                              PROSITE; PS50835; IG_LIKE; 1.
PROSITE; PS50104; TIR; 1.
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Eukaryota; Metazoa; Chordata; C. Mammalia; Eutheria; Rodentia; St. NCBI TaxID=10090;
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                                       Penton-Rol G., Polentarutti N., Submitted (DEC-1998) to the EMBI EMBL; AFT13795, AAFT26200.1; -. MGD; MGI:3344402; AIIS56711. GO; GO:0016021; C:integral to me InterPro; IPR003599; Ig.-1ike. InterPro; IPR004075; III_receptc InterPro; IPR004075; TIR. InterPro; IPR004075; TIR. Pfam; PF00047; Ig; 1. Pfam; PF00047; Ig; 1. Pfam; PF01582; TIR; 1. PRJSTT; PRO01537; INTELKNIRIF. SMART; SM00409; IG; 1. PROSITE; PS50835; IG_LIKE; 1. PROSITE; PS50835; IG_LIKE; 1.
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PubMed=14993616; DOI=10.1073/pnas.0308680101;

Garlanda C., Riva F., Polentarutti N., Buracchi C., Si

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De Bortoli M., Muzio M., Bergottini R., Scanziani E.,

Hirsch E., Mantovani A.;

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neconor. Natl. Acad. Sci. U.S.A. 101:3522-3526(2004).
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Best Local :
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QNNF60; QDNZNO;
10-OCT-2003 (Rel. 42, Created)
10-OCT-2003 (Rel. 42, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
X-linked interleukin-1 receptor accessory protein-like 2 precursor (ILIRAPL-2 related protein) (Interleukin-1 receptor 9) (IL-1R9) (II receptor accessory protein-like 2) (Three immunoglobulin domain-containing IL-1 receptor-related 1) (TIGIRR-1).

Name=ILIRAPL2; Synonyms=ILIR9;
                                                                                                                                                                                                                                                                Born T.L.,
Sims J.E.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           SEQUENCE FROM N.A., AND TISSUE SPECIFICITY.

TISSUE-Fetal brain;

MEDLINE=20487552, PubMed=11031108; DOI=10.1006/geno.2000.6328;

Sana T.R., Debets R., Timans J.C., Bazan J.F., Kastelein R.A.;

"Computational identification, cloning, and characterization constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitution of the constitutio
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                                  SEQUENCE FROM
TISSUE=Brain;
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MEDLINE=20459050;
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Mammalia; Eutheria;
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                                                                                                                              ication and characterization of two members of a r
nterleukin-1 receptor (IL-IR) family. Delineation
IL-IR-related proteins based on signaling.";
Chem. 275:29946-29954(2000).
                                                                                                                                                                                                                                                                                                                                                                                           FROM N.A.,
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                                                                                                                                                                                                                                                                                                  Smith
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   Lorenz
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                                                                                                                                                                                                                                                                                               PubMed=10882729;
D.E., Garka K.E.,
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B:,
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Primates;
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В.,
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72.7%;
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Pred. No. 1.7e-122;
32; Mismatches 67;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Craniata; Vertebrata; Catarrhini; Hominidae;
₽.,
                                                                                                                                                                                                                                                                                                                                                                                              SPECIFICITY
                                                                                                                                                                                                                                                                                               DOI=10.1074/jbc.M004077200;
Renshaw B.R., Bertles J.S.,
   Strom
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     2
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Pfam; PF00047; ig; 3.
Pfam; PF01582; TIR; 1.
Pfam; PF01539; INTRLEUKNIR2.
PRINTS; PR01537; INTRLKNIR1F.
SMART; SM00409; IG; 3.
SMART; SM00255; TIR; 1.
                                                                                                                                                                                                                                                                                         InterPro; IPRO04075; InterPro; IPRO04077; InterPro; IPRO00157; InterPro; IPRO00157; Ipfam; PF00047; ig; 3.
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or send a
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Eur. J.
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                                                                                                                                                                                                                                                                                                                                                                     GO; GO:0016020;
GO; GO:0004908;
GO; GO:0007417;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  SEQUENCE OF 29-686 FROM N.A.

MEDLINE=20218565; PubMed=10757639; DOI=10.1038/sj.ejhg.5200415;
Jin H., Viswesvaraiah R., Gardner R.J., Roberts R.G.;
"Two novel members of the interleukin-1 receptor gene family, o
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              MEDLINE=21472256; PubMed=11587848; DOI=10.1016/S0378-1119(01)00659-X; Ferrante M.I., Ghiani M., Bulfone A., Franco B.; "ILIRAPL2 maps to Xq22 and is specifically expressed in the central
                                                                                                                                                                                                                                                                                                     InterPro; IPR007110; Ig-like.
InterPro; IPR004075; IL1 receptor1.
InterPro; IPR004077; IL1 receptorIIp.
InterPro; IPR000157; TIR.
                                                                                                                                                                       Transmembrane
                                                                                                                                                                                     Glycoprotein;
                                                                                                                                                                                                PROSITE; PS50835; IG LIKE; PROSITE; PS50104; TIR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                            Genew;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Gene 275:217-221(2001)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "IL1RAPL2 maps to Xq22 nervous system.";
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Submitted
                                                                                                                                                                                                                                                                                                                                                         InterPro; IPR003599;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    ovary and in placenta.
SIMILARITY: Belongs to the interleukin-1 r.
SIMILARITY: Contains 3 immunoglobulin-like
SIMILARITY: Contains 1 TIR domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       SUBCELULAR LOCATION: Type I membrane protein.
TISSUE SPECIFICITY: Detected at low levels in fetal and brain, in particular in the frontal lobe, temporal lobe cerebellum. Detected at very low levels in skin, liver,
                                                                                                                                                                                                                                                                                                                                                                                                             L; AF181285; AAF
P; Q63345; 1PKO.
bw; HGNC:5997; II
; 300277; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            AF284436;
AJ272208;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       AF212016;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                 АJ290436;
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         (IL1RAPL-2)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           in Xp22.3-Xp21.3 mental retardation. \overline{}^{n} Hum. Genet. 8:87-94(2000).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 FROM N.A.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           (FEB-2000)
 17
355
376
18
141
141
239
400
400
265
                                                                                                                                                                                    Immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                AAF61307.1; -... AAG21370.1; -... CAB86868.1; -... CAB89867.1; -... AAF59412.1; -...
                                                                                                                                                                                                                                                                                                                                                                  C:membrane; ISS.
F:interleukin-1 receptor
F:central nervous system
                                                                                                                                                                                                                                                                                                                                                                                                                          IL1RAPL2
354
375
686
132
232
232
231
347
3116
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          with 61% identity to IL1RAPL maps to Xq22.2."; ) to the EMBL/GenBank/DDBJ databases.
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                                                 Potential.
Cytoplasmic (Potential)
Ig-like C2-type
Ig-like C2-type
Ig-like C2-type
Potential.
Potential.
Potential.
                                       Ig-like
Ig-like
Ig-like
TIR.
                                                                                                                                            Potential X-linked j
                                                                                                                                                                                  domain;
                                                                                                                    protein-like 2.
Extracellular (Potential)
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                                                                                                                                                                                    Receptor;
                                                                                                                                            interleukin-1
                                                                                          (Potential)
                                                                                                                                                                                                                                                                                                                                                                     activity; TA:
development;
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                                                                                                                                                                                    Repeat;
                                                                                                                                             receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                family
                                                                                                                                                                                    Signal;
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                                                                                                                                                                            407
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                                                                                                                                                    CRRLIVVLS-DAFLSRAWCSHSFREGLCRLL---
                                  ----PRCHVLDS----
                                                      RGRVPEGRALDSEVDPDPEGDLGVRGPVFGEPSAPPHTSGVSLGESRSSEVDVSD
                                                                            KRSIKLLSLIKWK-GSKSSKLNSKFWKHLVYEMPIK
                                                                                                     RQHRHLVTLLLWRPGSVTP---SSDFWKEVQLALPRKVRYRPVEGDPQTQLQDDKDPMLIL
                                                                                                                              SRRLIIVLTPDYILRRGWSIFELESRLHNMLVSGEI--KVILIECTELKGKVNCQEVESL
                                                                                                                                                                           SYTKVDQDTLDCDNPESEQFALEVLPDVLEKHYGYKLFIPERDLIPSGTYMEDLTRYVEQ
                                                                                                                                                                                                    SYS-----
                                                                                                                                                                                                                                              AGPTSHV---AAVLASLLVLLALLLAALLYVKCRLNVLLWYQDAYGEVEIN-DGKLYDAYV
                                                                                                                                                                                                                                                                         IREGEIRLLKEHLGEKEVELALIFDSVVEADLAN-----YTCHVENRNGRKHASVLLRK
                                                                                                                                                                                                                                                                                               YSLHEYSWVKANLSE-----VLVSSVLGVNVTSTEVYGAFTCSIQNIS----FSSFTLQR
                                                                                                                                                                                                                                                                                                                       DKPPKPLFPMENOPSVIDVOLGKPLNIPCKAFFGFSGE--SGPMIYWMKGEKFIEELAGH
                                                                                                                                                                                                                                                                                                                                               DRAPDFLSPSEDQ--VLRPALGSSVALNCTAWV-VSGPHCSLPSVQWLK-DGLPLGIGGH
                                                                                                                                                                                                                          KDLIYKIELAGGLGAIFLLLVLLV--VIYKCYNIELMLFYRQHFGADETNDDNKEYDAYL
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120
136
211
328
686
                                                                                                                                                                                                                                                                                                                                                                      Conservative
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N-linked (GlcNAc...
N-linked (GlcNAc...
N-linked (GlcNAc...
N-linked (GlcNAc...
N-linked (GlcNAc...
                                  -AEQGLFGELQPIPSIAMTSTSATL---VSSQADLPE
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Pred.
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Mismatches
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(GleNAc...
(GleNAc...
(GleNAc...
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                                                                                                                                                                                                                                                                                                                                                                                              686;
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                                                                                 -KKEML--
                                  509
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RESULT
IPL2_M
   MOUSE
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QPERS6; QPER66;
10-OCT-2003 (Rel. 42, Created)
10-OCT-2003 (Rel. 42, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
X-linked interleukin-1 receptor accessory protein-like
(ILIRAPL-2 related protein) (TIGIRR-1).
                                          MEDLINE=21472256; PubMed=11587848; DOI=10.1016/S0378-1119(01)00659-X; Ferrante M.I., Ghiani M., Bulfone A., Franco B.; "ILIRAPL2 maps to Xq22 and is specifically expressed in the central
                                                                                                                               "Identification and characterization of two members of a 1 of the interleukin-1 receptor (II--IR) family. Delineation class of II-IR-related proteins based on signaling."; J. Biol. Chem. 275:29946-29954(2000).
                                                                                                                                                                                                      TISSUE=Brain, and Liver;
MEDLINE=20459050; PubMed=10882729;
Born T.L., Smith D.E., Garka K.E.,
 nervous system.";
Gene 275:217-221(2001).
-!- SUBCELLULAR LOCATION:
                                                                                                                                                                                          Born T.L.,
Sims J.E.;
                                                                                                                                                                                                                                                                                             Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                     SEQUENCE FROM
                                                                                                                                                                                                                                                 SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                        Name=Illrapl2,
                                                                                         TISSUE=Brain;
                                                                                                                                                                                                                                                                              NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                           Mus musculus (Mouse)
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                                                                                                     (ISOFORM
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                                                                                                                                                                                                                                                                                               Rodentia;
                                                                                                                                                                                                                                                                                                           Chordata;
Type
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                                                                                                     2)
                                                                                                                                                                                                                                                                                               Craniata; Vertebrata; Euteleostomi; Sciurognathi; Muridae; Murinae; Mus
   I membrane
                                                                                                     AND
                                                                                                                                                                                                      DOI=10.1074/jbc.M004077200;
Renshaw B.R., Bertles J.S.,
                                                                                                     TISSUE
                                                                                                     SPECIFICITY
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Query Match
Best Local
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PRINTS; PR01539; INTRLKWIR1P.
PRINTS; PR01537; INTRLKWIR1P.
SMART; SM00409; IG; 3.
SMART; SM00255; TIR; 1.
PROSITE; PS50835; IG_LIKE; 3.
PROSITE; PS508104; TIR; 1.
Alternative splicing; Glycoprotein; Immunoglobulin domain; Receptor;
                                                                                                                       CARBOHYD
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                                                                                                                                                                                                                                                                                                                                                                                                                 InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-11ke.
InterPro; IPR004075; IL1_receptor1.
InterPro; IPR004077; IL1_receptorIIp.
InterPro; IPR004077; ITR.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                             SEQUENCE
                                                                   VARSPLIC
                                                                                                                                               CARBOHYD
                                                                                                                                                                    DISULFID
                                                                                                                                                                                                                                     DOMAIN
                                                                                                                                                                                                                                                  TRANSMEM
                                                                                                                                                                                                                                                           DOMAIN
                                                                                                                                                                                                                                                                                             Repeat; Signal, SIGNAL
                                                                                                                                                                                                                                                                                                                                                                                             Pfam; PF00047; ig; 3. Pfam; PF01582; TIR; 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MGD, MGI:1913106; Illrapl2.
GO; GO:0016020; C:membrane; ISS
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               EMBL, AJ277831; CAC
HSSP, Q63345; 1PKO
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         EMBL; AF284437; AAG21371.1; -.
EMBL; AJ277831; CAC10559.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              +
                                                                                        VARSPLIC
                                                                                                                                                         DISULFID
                                                                                                                                                                                                               DOMAIN
 Local Similarity
les 98; Conserv
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IsoId-QPERS6-2; Sequence-VSP_008056, VSP_008057;
Note-may be due to an intron retention;
TISUE SPECIFICITY: Detected in fetal brain after day 12.5, in particular in parts of the diencephalon and in the basal plate o the spinal cord. In postnatal brain detected in cerebral cortex, olfactory bulb, in the CA1 region of the hippocampus and in Purkinje cells of the xth cerebellar lobule.

SIMILARITY: Belongs to the interleukin-1 receptor family.
SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.

SIMILARITY: Contains 1 TIR domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Name=2;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             ALTERNATIVE PRODUCTS
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           [d=Q9ERS6-1;
                                             686 AA;
 Conservative
                                                                                       355
                                                                                                                                                                                                                                                                                                       Transmembrane
                                                                                       989
                                                                  989
                                             78797
                                                                                                                                                                                                                                                                                            16
          12.2%;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Sequence=Displayed
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                splicing; Named isoforms=2,
                                              ¥
 65,
                                        N-linked (GlCNAC...) (Pot

N-linked (GlCNAC...) (Pot

N-linked (GlCNAC...) (Pot

N-linked (GlCNAC...) (Pot

N-linked (GlCNAC...) (Pot

DLIYK -> GILPS (in isoform

/FTId=VSP_08055.

Missing (In isoform 2).

/FTId=VSP_08057.
Score 261; DB 1;
Pred. No. 3.7e-13;
5; Mismatches 126
                                                                                                                                                                 Potential.
                                                                                                                                                                                         Ig-like
Ig-like
Ig-like
TIR.
                                                                                                                                                                                                                             Potential.
Cytoplasmic (Potential).
                                                                                                                                                                                                                                                         X-linked interleukin-1 receptor protein-like 2.
Extracellular (Potential).
                                                                                                                                                       Potential
                                                                                                                                                                                                 e C2-type 1.
e C2-type 2.
e C2-type 3.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        There are no restrictions in as its content is in
 126;
                                                                                      (in isoform
                    Length 686;
 Indels
                                                                                      (Potential).
(Potential).
(Potential).
(Potential).
(Potential).
(Potential).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 EMBL outstation
 50;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            a collaboration
                                                                                                                                                                                                                                                                                 accessory
Gaps
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DRAPDFLSPSEDQ--VLRPALGSSVALNCTAWV-VSGPHCSLPSVQWLK-DGLPLGIGGH

61

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RESULT
IPL1_MC
                                                                                                                                                  EMBL; AL844900; -; NOT ANNOTATED CDS.
EMBL; AL672059; -; NOT ANNOTATED CDS.
EMBL; AK081272; -; NOT ANNOTATED CDS.
InterPro; IPR007110; Ig-like.
InterPro; IPR003598; Ig c2.
InterPro; IPR004075; ILI receptor1.
InterPro; IPR000157; TIR.
                             Pfam; PF00047; ig; 2.
Pfam; PF01582; TIR; 1.
PRINTS; PR01537; INTRLKNIRIF.
PRINTS; SM00408; IGc2; 1.
SMART; SM00255; TIR; 1.
PROSITE; PS50835; IG LIKE; 3.
PROSITE; PS50104; TIR; 1.
                                                                                                                                                                                                                                                                             This SWISS-PROT entry is copyright. It is produced through between the Swiss Institute of Bioinformatics and the EM the European Bioinformatics Institute. There are no restruse by non-profit institutions as long as its content modified and this statement is not removed. Usage by and entities requires a license agreement (See http://www.isb-s or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                MOUSE
              Glycoprotein; Immunoglobulin domain; Receptor; Repeat; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Hinz U.;
Unpublished observations (AUG-2003).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
Mammalia; Eutheria; Rodentia; Sciurognathi; Muridae; Murinae; Mus
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            +
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  CONCEPTUAL TRANSLATION.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    Mus musculus (Mouse)
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    10-OCT-2003 (Rel. 42, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
X-linked interleukin-1 receptor accessory pro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               IPL1_MOUSE P59823;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=Illrap11;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              LO-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          (IL1RAPL-1)
                                                                                                                                                                                                                                                                                                                                                                                                                                                SUBCELLULAR LOCATION: Type I membrane protein.

SIMILARITY: Belongs to the interleukin-1 receptor family.

SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.

SIMILARITY: Contains 1 TIR domain.

CAUTION: This is a conceptual translation using ESTs and genomic
                                                                                                                                                                                                                                                                                                                                                                                                                                      sequences, in analogy to ortholog sequences.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               C----RRLIVVLS-DAFLSRAWCSHSFREGLCRLL---ELTRRPIFITFEGQRRDPAHPA
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         YSLHEYSWVKANLSE-----VLVSSVLGVNVTSTEVYGAFTCSIQNIS---FSSFTLQR 112
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MBL outstation -
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RESULT
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RRRR COCCOS
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Best Local S
Matches 95
                                                                               TPL1_HUMAN STANDARD; PRT; 696 AA.

Q9NZN1; Q9UJ53;

10-OCT-2003 (Rel. 42, Created)

10-OCT-2003 (Rel. 42, Last sequence update)

05-JUL-2004 (Rel. 44, Last annotation update)

X-linked interleukin-1 receptor accessory protei

(IL1RAPL-1) (Oligophrenin-4) (Three immunoglobul

IL-1 receptor related 2) (TIGIRR-2).

Name=IL1RAPL1; Synonyms=OPHN4;
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HUMAN
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CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
CARBOHYD
SEQUENCE FROM N.A.,
SPLICING.
TISSUE=Fetal brain;
                                                    Eukaryota; Metazoa;
Mammalia; Eutheria;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        DOMAIN
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                                                                         Homo sapiens (Human)
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                   N.A.,
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Primates;
                     DISEASE,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    12.0%;
26.2%;
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X
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Score 257; DB
Pred. No. 8.2e
54; Mismatches
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N-linked
N-linked
N-linked
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N-linked
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Cytoplasmic (Pote Ig-like C2-type I Ig-like C2-type I Ig-like C2-type I Ig-like C2-type I Ig-like C2-type I IR.
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X-linked i
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Potential
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Extracellular (Potential).
                                                                                                       or accessory protein-like 1 precursor (Three immunoglobulin domain-containing)
                     TISSUE SPECIFICITY,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                Potential.
                                                  Craniata; Vertebrata; Catarrhini; Hominidae;
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.2e-13;
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                     AND ALTERNATIVE
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                                                              Euteleostomi
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EMBL; AJ243874
EMBL; AF181284
EMBL; AF284435
EMBL; AB102650
HSSP; P11362;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            carrie A., Jun L., Bienvenu T., Vinet M.-C., McDonell N., Czemni R., Cardona A., Van Buggenhout G., Frints S., Hamel E Moraine C., Ropers H.-H., Strom T., Howell G.R., Whittaker Ross M.T., Kahn A., Fryns J.-P., Beldjord C., Marynen P., C. A new member of the IL-1 receptor family highly expressed hippocampus and involved in x-linked mental retardation."; Nat. Genet. 23:25-31(1999).
                                                                                                                                                                                                            use by non-profit institutions as long as modified and this statement is not removed. U entities requires a license agreement (See htto or send an email to license.)
                                                                                                                                                                                                                                                                                         This SWI
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Sims J.E.
       MIM; 300206; -.

MIM; 300426; -.

GO; GO:0016020; C:membrane; ISS.

GO; GO:0004872; F:receptor activity; TAS.

GO; GO:0007611; P:learning and/or memory;

InterPro; IPR007110; Ig-like.
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MEDLINE=22763540; PubMed=12777533; DOI=10.1093/mol

Kitano T., Schwarz C., Nickel B., Paabo S.;

"Gene diversity patterns at 10 X-chromosomal loci
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A., AND DISEASE.

MEDLINB=2021856; PubMed=10757639; DOI=10.1038/sj.ejhg.5200415;
Jin H., Gardner R.J., Viswesvaraiah R., Muntoni F., Roberts R.G
"Two novel members of the interleukin-1 receptor gene family, of
deleted in Xp22.3-Xp21.3 mental retardation.";
Eur. J. Hum. Genet. 8:87-94(2000).
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   TISSUE=Brain, and MEDLINE=20459050;
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                                                                                                                                                                                                                                                          s SWISS-PROT entry is copyright. It is produced through ween the Swiss Institute of Bioinformatics and the EN European Bioinformatics Institute. There are no restiby non-profit institutions as long as its content
                                                                                                                                                                                                                                                                                                                                  symptoms.

SIMILARITY: Belongs to the interleukin-1 receptor family.

SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.

SIMILARITY: Contains 1 TIR domain.
                                                                                                                                                                                                                                                                                                                                                                                               very low levels in tonsil, prostate, testis, small intes placenta, colon and fetal liver. DISEASE: Defects in ILIRAPL1 are a cause of nonspecific mental retardation (MRX34) [MIM:300426]. Several forms comental retardation have been described; they are classif non-specific if there are no other characteristic clinic
                                                                                                                                                                                                                                                                                                                                                                                                                                                                       TISSUE SPECIFICITY: Detected at low levels in heart, skeletal muscle, ovary, skin, and in amygdala, caudate nucleus, corpus callosum, hippocampus, substantia nigra and thalamus. Detected very low levels in tonsil, prostate, testis, small intestine,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   . Biol. Evol. 20:1281-1289(2003)
SUBCELLULAR LOCATION: Type I membrane
ALTERNATIVE PRODUCTS:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Name=1;
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Comment=A number of isoforms
                                                                                                                                  AJ243874; CAB56046.1; -. AF181284; AAF59411.1; -. AF284435; AAG21369.1; -. AB102650; BAC81119.1; -.
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                                                                                                       HGNC:5996;
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II-R-related proteins based
Chem. 275:29946-29954(2000).
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); PubMed=10882729; [
Garka K.E., ]
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Paabo S.;
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Renshaw B.R., Bertles J.S.,
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RESULT 9
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AC P60029;
DT 29-MAR-2004 (Rel. 43, Created)
DT 29-MAR-2004 (Rel. 44, Last sequence update)
DT 5-JUL-2004 (Rel. 44, Last annotation update)
DE X-linked interleukin-1 receptor accessory protein-like
(ILLRAPL-1) (Ollgophrenin-4).
DE (ILLRAPL-1) (Ollgophrenin-4).
GN Name=ILLRAPL1; Synonyms=OPHN4;
OS Pan troglodytes (Chimpanzee).
OC Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Eut.
OC Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Pa.
NCBI TaxID=9598;
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Pfam; PF01582; TIR;
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MEDLINE=22763540; PubMed=12777533; DOI=10.1093/molbev/msg134;

Kitano T., Schwarz C., Nickel B., Paabo S.;

"Gene diversity patterns at 10 X-chromosomal loci in humans ar

chimpanzees.";

Mol. Biol. Evol. 20:1281-1289 (2003).
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SUBCELLULAR LOCATION: Type I membrane protein.
SIMILARITY: Belongs to the interleukin-1 receptor f
SIMILARITY: Contains 3 immunoglobulin-like C2-type
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                          NCBI_TaxID=10116;
[1]
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      Name=Illrapl1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       X-linked interleukin-1 receptor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             (IL1RAPL-1)
                                                                                                                                                                                                                                             PF00047; ig; 2.
PF01582; TIR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               KHTIKLLTVIKWHGPKCNKLNSKFWKRLQYEMPFK-RIEPITHEQALDVSEQGPFGELQ
25
143
242
403
63
164
267
63
1122
1138
2133
264
696
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                (Rel.
                                                                                                                            358
379
                                                                                                                                                                                         Immunoglobulin
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
357

378

696

134

232

350

562

118

216

334

63

122

138

122

138

213

2213

231

79771
                                                                                                                                                                                                                                                                                                   AAO62634.1; -.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               24
696
                                                                                                                                                                                                                                                               ; Ig-like.
; Ig_c2.
; ILI_receptor1.
; TIR.
  ¥.
                                                                                       X-linked interleukin-1 receptor ac protein-like 1.
Extracellular (Potential).
Potential.
Cytoplasmic (Potential).
Ig-like C2-type 1.
Ig-like C2-type 3.
Ig-like C2-type 3.
IR.
       Potential.
N-linked ((
N-linked ()
N-linked ()
N-linked ()
N-linked ()
N-linked ()
N-linked ()
                                                                       Potential. Potential.
                                                                                                                                                                                         domain; Receptor; Repeat; Signal;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          Craniata; Vertebrata; Euteleostomi;
Sciurognathi; Muridae; Murinae; Rattus.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   696
        (GlcNAc...
(GlcNAc...
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(GlcNAc...
                                                                                                                                                                                                                                                                                                                          http://www.isb-sib.
                                                                                                                                                                                                                                                                                                                                    Usage
  CRC64;
         (Potential).
(Potential).
(Potential).
(Potential).
(Potential).
(Potential).
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                                                                                                                                                                                                                                                                                                                                                     ne EMBL outstation restrictions on it
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RESULT 11
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Best Local
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Q7YQL9;
05-JUL-2004
SMART; SM00408; IGC2; 1.
SMART; SM00255; TIR; 1.
PROSITE; PS50835; IG_LIK
PROSITE; PS50104; TIR; 1
                                                                                                         Pfam;
                                                                                                                                                                                                                                                            use by non-profit institutions as long modified and this statement is not removed entitles requires a license agreement (See
                                                                                                                                                                                                                                                                                                                                                                               This
                                                                                                                                                                                                                                                                                                                                                                                                                      Pongo pygmaeus (Orangutan).
Bukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   05-JUL-2004 (Rel. 44, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
X-linked interleukin-l receptor accessory protein-like 1
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               chimpanzees.";
Mol. Biol. Evo
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  MEDLINE=22763540; PubMed=12777533; DOI=10.105
Kitano T., Schwarz C., Nickel B., Paabo S.;
"Gene diversity patterns at 10 X-chromosomal
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                NCBI_TaxID=9600;
                                                                                                                                                         InterPro;
                                                                                                                                                                                                   EMBL; AB102652; BAC81121.1; -.
                                                                                                                                                                                                                                              or send
                                                                                                                                                                                                                                                                                                                                                          between
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         SEQUENCE FROM N.A.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              Name=IL1RAPL1;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            (IL1RAPL-1)
                                                                                                                                     InterPro;
                                                                                                                                                                                InterPro;
                                                                                                                                                                                                                                                                                                                            s SWISS-PROT entry is copyright. It is produced through ween the Swiss Institute of Bioinformatics and the El European Bioinformatics Institute. There are no restitute of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of the content of 
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PF01582; TIR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               93;
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                                                                                                                                                                                                                                              an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 Similarity
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                                                                                                                                  IPR007110; Ig-like.
IPR003598; Ig_c2.
IPR000157; TIR.
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(Rel. 44, Last sequence update)
(Rel. 44, Last annotation update)
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1; Synonyms=OPHN4;
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Pred.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   PRT;
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No. 9.1
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Paabo S.;
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for
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                                                                                                                                                                                                                                                                                                                                                            collaboration
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RESULT 12
IR18 MOUSE
ID - RIB MOUSE
AC Q61098;
DT 28-FEB-2003
DT 05-JUL-2004
DE Interleukin-1
DE (IL-1RIP);
GN Namesillsril,
OS Mus musculus
OC Eukaryots; Mt
OC Mammalls; ENT
OX NCBI_TAXID=1(
RN SEQUENCE FROM
RX MEDLINE=9622;
RA Parnet P. GR
RT interleukin-:
RL J. Biol. Cher
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                                                                                                                                                                           Mus musculus (Mouse)
Eukaryota; Metazoa;
Mammalia; Eutheria;
NCBI_TaxID=10090;
                                                                                                                                                                                                                                                                                       Interleukin-18
(IL-1Rrp).
Name=Il18r1;
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MEDLINE=96223957, PubMed=8626725; DOI=10.1074/jbc.271.8.3967;
Parnet P., Garka K.E., Bonnert T.P., Dower S.K., Sims J.E.;

"IL-1Rrp is a novel receptor-like molecule similar to the type interleukin-1 receptor and its homologues T1/ST2 and IL-1R Aci J. Biol. Chem. 271:3967-3970(1996).
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el. 41, Last sequence update)
el. 44, Last annotation update)
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SIMILARITY: Belongs to the interleukin-1 recep. SIMILARITY: Contains 3 immunoglobulin-like C2-SIMILARITY: Contains 1 TIR domain.
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European
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l Similarity 27.9%;
95; Conservative (
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VLVRKEIPDIPGHVFTGGVTVLVLASVAAVCIVILCVIYKVDLVLFYRRIAERDETLTDG
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2; Mismatches
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(See http://www.isb-sib.
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                                                                                                                                                                                                                                                                                                                                                                                                                                               Repeat;
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DICTOR REPORT OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTROL OF CONTR
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EMBL; AY182233; AAO24704.1; -.
EMBL; AY182234; AAO24705.1; -.
InterPro; IPR003599; Ig.
InterPro; IPR007110; Ig-like.
InterPro; IPR004075; IL1_recepto
InterPro; IPR004074; IL1_recepto
InterPro; IPR004074; IT.
Pfam; PF00047; ig; 2.
Pfam; PF001582; TIR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 P59822;
10-OCT-2003
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         MACMU
                                                                                                                                                                                                                                                                                                                                           This SWI
between
the Euro
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        MEDLINE=22419343; PubMed=12530978; DOI=10.1016/S1074-7613(02)(Smith D.E., Hanna R., Friend D., Moore H., Chen H., Farese A.N MacVittie T.J., Virca G.D., Sims J.E.; "The soluble form of IL-1 receptor accessory protein enhances ability of soluble type II IL-1 receptor to inhibit IL-1 actic Immunity 18:87-96(2003)
                                                                                                                                                                                                                                                                                         the European Bioinformatics Institute. There use by non-profit institutions as long as modified and this statement is not removed. I
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           Eukaryota; Metazoa; Chordata;
Mammalia; Eutheria; Primates;
Cercopithecinae; Macaca.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      10-OCT-2003 (Rel. 42, Created)
10-OCT-2003 (Rel. 42, Last sequence update)
05-JUL-2004 (Rel. 44, Last annotation update)
Interleukin-l receptor accessory protein prec
                                                                                                                                                                                                                                            entities requires a license agreement (S or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   SEQUENCE FROM N.A., FUNCTION CHARACTERIZATION OF ISOFORM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              accessory protein) (IL-1RAcP)
Name=IL1RAP;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       NCBI_TaxID=9544;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   Macaca mulatta (Rhesus macaque).
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     ILAP
                                                                                                                                                                                                                                                                                                                                                                                                                                     SIMILARITY: Belongs to the interleukin-1 resiMILARITY: Contains 3 immunoglobulin-like SIMILARITY: Contains 1 TIR domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Event-Alternative splicing; Named isoforms=2; Name=1; Synonyms=Membrane-bound II-IR ACP; IsoId=P59822-1; Sequence=Displayed; Name=2; Synonyms=Soluble II-IR ACP; IsoId=P59822-2; Sequence=Not described;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                FUNCTION: Mediates interleukin-1-dependent activation of NF-kappa-
B. Isoform 1 is part of the membrane-bound form of the IL-1
receptor. Signaling involves formation of a ternary complex
containing ILIR1, TOLLIP, MYD88, and IRAK1 or IRAK2. Isoform 2
modulates the response to interleukins by associating with soluble
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       ALTERNATIVE PRODUCTS: Event-Alternative spl
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               SUBCELLULAR LOCATION:
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        similarity)
                                                                                                                                                                                                                                                                                                                                         SWISS-PROT entry is copyright. It is produced through a ceen the Swiss Institute of Bioinformatics and the EMBL European Bioinformatics Institute. There are no restrict
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            ILIR1 and enhancing
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   MACMU
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     271
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    IEKSRRLIIVLSQSYLTNG-ARRELESGLHEALVERKIKIILIEF
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            KLYDAYVSY-SDC-PEDRKFVNFILK--PQ-LERRRGYKLFLDDRDLLPRAEPSADLLVN
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      PSIKILKSYR----VIKWRADSPSMNSRFWKNLVYLMPAK 519
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   STANDARD;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   , FUNCTION, A
                                               Jg-like.
| Ig-like.
| IL1_receptor1.
| IL1_receptor1/II.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            interleukin-binding
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             Type I membrane protein (isoform 1). Isoform
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          ALTERNATIVE
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Catarrhini;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Craniata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       DOI=10.1016/S1074-7613(02)00514-9; core H., Chen H., Farese A.M.,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   570
                                                                                                                                                                                                                                                                   (See
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               Vertebrata;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           precursor
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   B
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            SPLICING,
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         Cercopithecidae;
                                                                                                                                                                                                                                                                   http://www.isb-sib.ch/announce/
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               င်
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    receptor
                                                                                                                                                                                                                                                                                                                its content
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e domains.
                                                                                                                                                                                                                                                                                                                                      restrictions
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                                                                                                                                                                                                                                                                                                                                                                  collaboration
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                                                                                                                                                                                                                                                                                            RESULT
IR18_H
       OXCOOR DESTRUCTION
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IR18 HUMAN Q13478; 28-FEB-2003 28-FEB-2003 05-JUL-2004

Eukaryota; Metazoa; Mammalia; Eutheria;

Chordata; Primates;

Craniata; Vo Catarrhini;

Vertebrata; Euteleostomi; i; Hominidae; Homo.

Homo sapiens

Name=IL18R1; Synonyme=IL1RRP

(Human)

Interleukin-18 (IL-1Rrp)

(Rel. 41, Created)
(Rel. 41, Last sequence update)
(Rel. 44, Last annotation updat
-18 receptor 1 precursor (IL1 re

update)

receptor-related

protein)

LT 14 _HUMAN

STANDARD;

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DOMAIN
DOMAIN
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PROSITE; PS50104; TIR; 1.
Alternative splicing; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            PRINTS; PRO1536; INTRLKNIR12F, PRINTS; PRO1537; INTRLKNIR1F, SMART; SM00409; IG; 2.
SMART; SM00255; TIR; 1.
                                                                                                                                                                                                                                                   SEQUENCE
                                                                                                                                                                                                                                                                                                                                                                                                                                 Repeat; Signal
SIGNAL
                                                                                                                                                                                                                                                                                                                                                             DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                         TRANSMEM
                                                                                                                                                                                                                                                                                                                                                                                                                DOMAIN
                                                                                                                                                                                                                                                                                                                                                                                                                          CHAIN
                                   474
                                                                      416
                                                                                                                                            302
 527
                 289
                                                     236
                                                                                       176
                                                                                                                                                                               243
                                                                                                                                                            64
                                                                                                                                                                                                9
                                                                                                                                                                                                                  90;
                                                                                                                                                                                                                         Similarity
                                                                                                                                            ISH----
                                                                                                       KGEKSKYPQGRFWKQLQVAMPVKKSPRRSSSDEQ
                 R-PGSVTPSSDFWKEVQLALPRKVRYRPVEGDPQ
                                                    AWCSHSFREGLCRLLELTRRPIFITFEG-----QRRDPAHPALRLLRQHRHLVTLLLW
                                                                      EEEEFVLLTLRGVLENEFGYKLCIFDRDSLPGGIVTDETLSFIQKSRRLLVVLSPNYV--
                                                                                       EDRKFVNFILKPQLERRRGYKLFLDDRDLLPRAEPSADLLVNLSRCRRLIVVLSDAFLSR
                                                                                                                                                           LHEYSWVKANLSEVLVSSVLGV-NVTSTEVYGAFTC---SIQNISFSSFTLQRAGPTSHV
                                                                                                                                                                              PVIHSPNDHVVYEKEPGEELLIPCTVY-FSFLMDSRNEVWWTIDGKKPDDIPIDVTINES
                                                                                                                                                                                                PDFLSPSEDQVLRPALGSSVALNCTAWVVSGPHCSLPSVQWLKDG-----LPLGIGGHYS
                                                                                                                                                                                                                                                                                                                                                    136
242
403
47
                                                                                                                                                                                                                  Conservative
                                   LQGTQALLELKAGLENMASQGNINVILVQYKAVKETKVKELKRAKTVLTVIKW
                                                                                                                                                                                                                                                                                                                                                                                                                                            Transmembrane.
                                                                                                                                            -SRTEDETRTQILSIKKVTSEDLKRSYVCHARSAKGEVAKAATVKQKVPAPRY
                                                                                                                                                                                                                                                             65393
                                                                                                                                                                                                                         11.2%;
                                                                                                                                                                                                                                                   Μ¥.
                                                                                                                                                                                                                 63;
                                                                                                                                                                                                                                                                                                                                                            Cytoplasmic (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
TIR.
                                                                                                                                                                                                                                                           N-linked
N-linked
N-linked
N-linked
N-linked
N-linked
N-linked
                                                                                                                                                                                                                 Score 240.5; DB 1;
Pred. No. 1.6e-11;
3; Mismatches 144;
                                                                                                                                                                                                                                                                                                                         Potential
Potential
                                                                                                                                                                                                                                                                                                                                                                                                     Extracellular (Potential).

Potential.
                                                                                                                                                                                                                                                                                                                                                                                                                                   Potential
                                                                                                                                                                                                                                                                                                                                           Potential
                                                                                                                                                                                                                                                                                                                                                  Potential
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                                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunoglobulin
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(GlcNAc...)
(GlcNAc...)
(GlcNAc...)
(GlcNAc...)
(GlcNAc...)
(GlcNAc...)
                 321
                                                                                                                                                                                                                                                    CRC64;
                                                                                                                                                                                                                  Indels
                                                                                                                                                                                                                                 Length
                                                                                                                                                                                                                                                                                                                                                                                                                                                    domain;
                                                                                                                                                                                                                                                                    (Potential).
(Potential).
(Potential).
(Potential).
(Potential).
(Potential).
                                                                                                                                                                                                                                                             (Potential)
                                                                                                                                                                                                                                   570;
                                                                                                                                                                                                                  37;
                                                                                                                                                                                                                                                                                                                                                                                                                                                    Receptor;
                                                                                                                                                                                                                  Gaps
                                                                                                          415
                                                                                                                                            356
                                                                                                                                                                                301
                                    526
                                                     288
                                                                      473
                                                                                        235
                                                                                                                            175
                                                                                                                                                              119
                                                                                                                                                                                                                  11
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GO; GO:0005886; C:plasma membrane; TAS.
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0004872; F:receptor activity; TAS.
GO; GO:0007165; F:simmune response; TAS.
GO; GO:0007165; F:signal transduction; TAS.
InterPro; IPR003599; Ig.
InterPro; IPR003599; Ig.
InterPro; IPR004075; III_receptor1.
InterPro; IPR004074; III_receptor1/II.
InterPro; IPR004074; III_receptor1/II.
InterPro; IPR004074; III_receptor1/II.
InterPro; IPR004074; III_receptor1/II.
InterPro; IPR004074; III_receptor1/II.
       DOMAIN
DOMAIN
DOMAIN
DOMAIN
DOMAIN
DISULFID
DISULFID
CARBOHYD
CARBOHYD
                                                                                                                                                              DOMAIN
TRANSMEM
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             This SWISS-PROT entry is copyright. It is produced through a collaboration between the Swiss Institute of Bioinformatics and the EMBL outstation - the European Bioinformatics Institute. There are no restrictions on its use by non-profit institutions as long as its content is in no way modified and this statement is not removed. Usage by and for commercial entities requires a license agreement (See http://www.isb-sib.ch/announce/or send an email to license@isb-sib.ch).
                                                                                                                                                                                                                                                                                                 PRINTS; PRO1536; INTRLKNIR12F
PRINTS; PRO1537; INTRLKNIR1F.
SMART; SM00409; IG; 2.
SMART; SM00255; TIR; 1.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             EMBL; U43672; AAC50390.1;
HSSP; Q15399; 1FYV.
Genew; HGNC:5988; IL18R1.
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319-315 AND 524-535, AND CHARACTERIZATION.
MEDLINE=97467370; PubMed=9325300; DOI=10:1074/jbc.272.41.25737;
Torigoe K., Ushio S., Okura T., Kobayashi S., Taniai M., Kunika Murakami T., Sanou O., Kojima H., Fujii M., Ohta T., Ikeda M., Ikegami H., Kurimoto M.;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        [1]
SEQUENCE FROM N.A., AND VARIANT ALA-317 DEL.
MEDLINE=96223957; PubMed=8626725; DOI=10.1074/jbc.271.8.3967;
Parnet P., Garka K.E., Bonnert T.P., Dower S.K., Sims J.E.;
"IL-IRrp is a novel receptor-like molecule similar to the type I interleukin-1 receptor and its homologues T1/ST2 and IL-IR ACP.";
J. Biol. Chem. 271:3967-3970(1996).
                                                                                                                                                                                                                SIGNAL
                                                                                                                                                                                                                              Direct protein Polymorphism; R
                                                                                                                                                                                                                                                                 PROSITE; PS50835; IG LIKE; 1. PROSITE; PS50104; TIR; 1.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   "Purification and characterization of the human interleukin-18
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    FUNCTION: Receptor for interleukin 18 (IL-18). Binding to the agonist leads to the activation of NP-kappa-B.

SUBCELLULAR LOCATION: Type I membrane protein.

TISSUE SPECIFICITY: Expressed in lung, leukocytes, spleen, liver, thymus, prostate, small intestine, colon, placenta, and heart, and is absent from brain, skeletal muscle, pancreas, and kidney. High level of expression in Hodgkin's disease cell lines.

MISCELLANEOUS: Does not bind interleukin 1 alpha (IL-1A) or interleukin 1 beta (IL-1B).

SIMILARITY: Belongs to the interleukin-1 receptor family.

SIMILARITY: Contains 3 immunoglobulin-like C2-type domains.
                                                                                                                                                                                                                             Receptor;
                                                                                                                                                                                                                              sequencing; Glycoprotein; Immunoglobulin
Receptor; Repeat; Signal; Transmembrane.
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329
350
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212
212
312
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185
298
91
Extracellular (Potential)
Potential.
Cytoplasmic (Potential).
Ig-like C2-type 1.
Ig-like C2-type 2.
Ig-like C2-type 3.
Ig-like C2-type 3.
TIR.
By similarity.
By similarity.
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                       (Potential)
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Best Local S
Matches 99
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Q9NPH3; O14915; Q86WJ7;

10-OCT-2003 (Rel. 42, Created)

10-OCT-2003 (Rel. 42, Last sequence updated)

105-UUL-2004 (Rel. 44, Last annotation updated)

Interleukin-1 receptor accessory protein
                                                                                                                       Saito T.,
Submitted
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VARIANT
            PHORBOL ESTERS.
TISSUB-Liver;
MEDLINE-20261666; PubMed-10799889;
                                                                                                                                                                                                                                                                                                                                                                                              Mammelaria, Vertebrata; Bukaryota; Metazoa; Chordata; Craniata; Vertebrata; Bukaryota; Metazoa; Chordata; Catarrhini; Hominidae, Mammalia; Eutheria; Primates; Catarrhini; Hominidae,
  Jensen L.E., Muzio M.,
                                                                                                                                                            FISSUE=Brain;
                                                                                                                                                                                                       Huang J., Gao X., Li S., Cao Z.;
Huang J., Gao X., Li S., Cao Z.;
"Recruitment of IRAK to the interleukin 1 receptor
interleukin 1 receptor accessory protein.";
Proc. Natl. Acad. Sci. U.S.A. 94:12829-12832(1997).
                                                                                                                                                                                                                                                                                                                                                                                            NCBI_TaxID=9606;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                            accessory protein) (IL-1RACP).
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                                                                                                                                                                                                                                                                                                                      TISSUE=Placenta;
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                                                                                                                     Seki N.;
(AUG-1997)
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INTERACTION WITH IRAK2.
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   protein mRNAs is differentially apoptosis.";
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                                                                                                                                                                                                                                                                                                                                                               "Characterization of a cascade the IL-1 receptor."; Biochem. Biophys. Res. Commun.
                                                                                                                                                                                                                                                                                                                               TISSUE SPECIFICITY.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            MEDLINE=22388257; PubMed=12477932; DOI=10.1073/pnas.242603899
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                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  "Expression of alternatively spliced interleukin-1 receptor accessory protein mRNAs is differentially regulated during inflammation and
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        Jensen L.E., Whitehead A.S.
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                                                 containing ILIR1, TOLLIP, MYD88, and IRAK1 or IRAK2. Isoform 2 modulates the response to interleukins by associating with soluble ILIR1 and enhancing interleukin-binding to the decoy receptor. SUBCELLULAR LOCATION: Type I membrane protein (isoform 1). Isoform 2, isoform 3 and isoform 4 are secreted.
                                                                                                                                          FUNCTION: Mediates interleukin-1-dependent activation of NF-kappa-B. Isoform 1 is part of the membrane-bound form of the IL-1 receptor. Signaling involves formation of a ternary complex containing ILIR1, TOLLIP, MYD88, and IRAK1 or IRAK2. Isoform 2
                    Event=Alternative splicing; Name Name=1; Synonyms=Membrane-bound
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  Signal. 15:793-802(2003).
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   Sequence=Displayed;
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                                     Named isoforms=4;
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                    IL-1RACP,
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                    mIL-1RACP;
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InterPro; IPR003599; Ig.
InterPro; IPR004075; II.1 receptor1.
InterPro; IPR004075; II.1 receptor1.
InterPro; IPR004074; II.1 receptorI/II.
InterPro; IPR004074; II.1 receptorI/II.
InterPro; IPR000157; TIR.
Pfam; PF001842; TIR; 1.
Pfam; PF01882; TIR; 1.
PRINTS; PR01536; INTRLKNIR1F.
PRINTS; PR01537; INTRLKNIR1F.
SMART; SM00409; IG; 3.
SMART; SM00409; IG; 3.
SMART; SM00409; IG; 3.
SMART; SM00409; IG; 3.
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lung.
-!- INDUCTION: )
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                                                                                                                                                                                                                                                                                                                                                                                                                                  PROSITE; PS50104; TIR; 1.
Alternative splicing; Glycoprotein;
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           the European Bioinformatics Institute.
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SIMILARITY: Belongs to the interleukin-1 resimilarity: Contains 3 immunoglobulin-like SIMILARITY: Contains 1 TIR domain.
                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  AF167343; AAF71688.1; AF16735; AAF771688.1; AF167336; AAF71688.1; AF167336; AAF71688.1; AF167336; AAF71688.1; AF167339; AAF71688.1; AF167339; AAF71689.1; AF167336; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AF167339; AAF71689.1; AAF167339; AAF71689.1; AAF38733; AAQ01758.1; AAF38733; AAQ01758.1; AAF538733; AAQ01758.
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Name=3; Synonyms=Soluble IL-1RAcP-beta, \
IsoId=Q9NPH3-3; Sequence=VSP_008052; \

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AB006537; BAA25421.1;
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Ig-like C2-ty
Ig-like C2-ty
Ig-like C2-ty
Ig-like C2-ty
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                                        C2-type
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C2-type
                                                                                                                                                                                                                                                                                                                                                                                                                                  Immunoglobulin domain;
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                                                                                                                                                                             (Potential).
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, sIL-1RAcP-beta;
                                                                                                                                                                                                                                                                  receptor accessory (Potential).
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ke C2-type
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VPAPRY -> GNRCGQ (in isoform 2).
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ISHRTGDETRTQLISTKKYTSEDLKRSYVCHARSAKGEVA KAAKVKGXVAPARYTYELACGFGATYLLVYLLIVYHYYML EMVLFYRAHFGTDETILDGKEYDIYVSYARNAEEEBFVLLT LRGVLENEFGYKLCIFDRDSLPGGIVTDETILSFUSSRTLL VVLSPNYVLGGTQALLELKAGLENMASRGNINVILVYKAV KETKVKELKRAKTYLTYIKWKGEKSKYPQGRRWKQLGVAMP VKKSPRRSSSDEQGLSYSSLKNV -> ASSKIHSGTGLWFW
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